

10

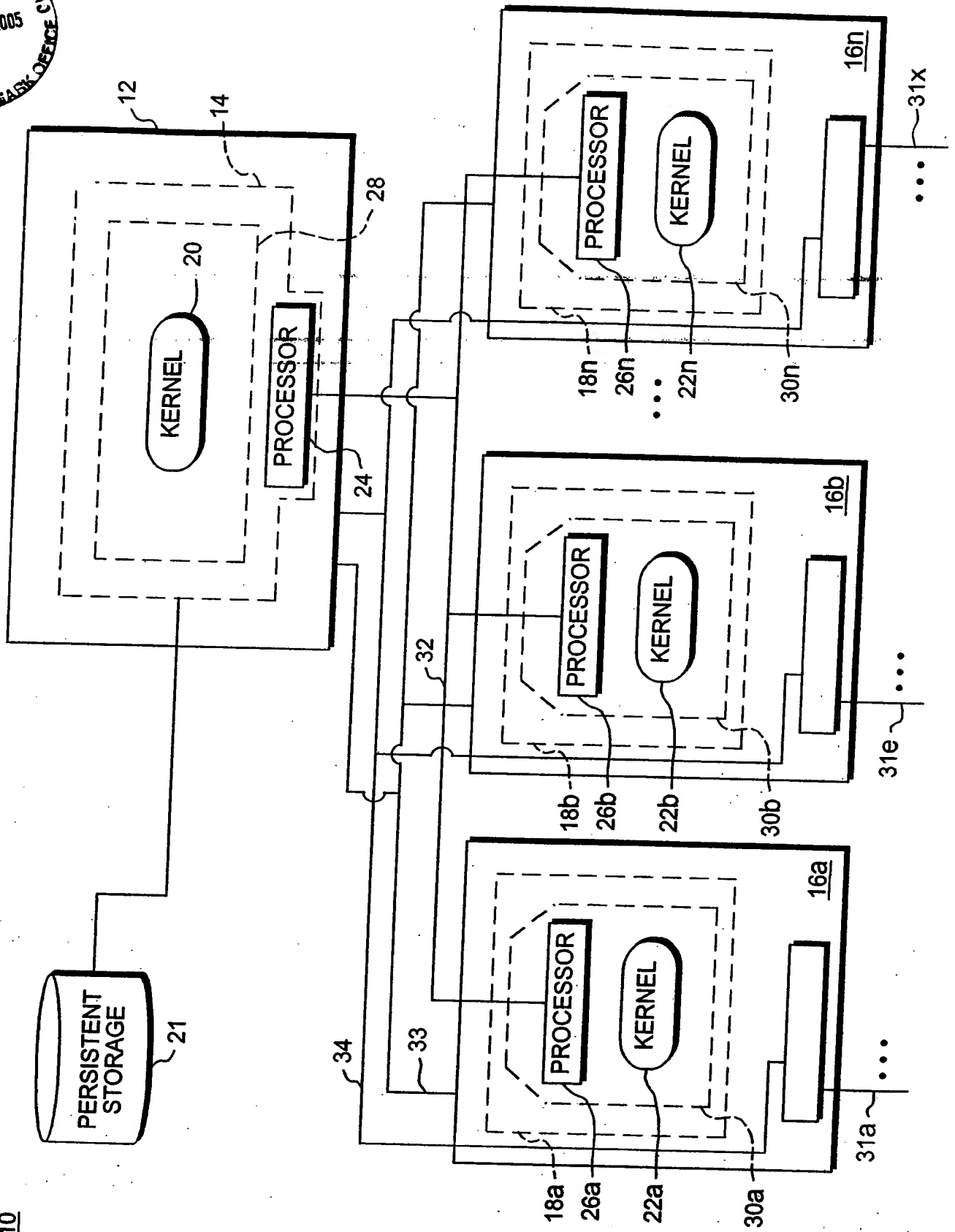


FIG. 1

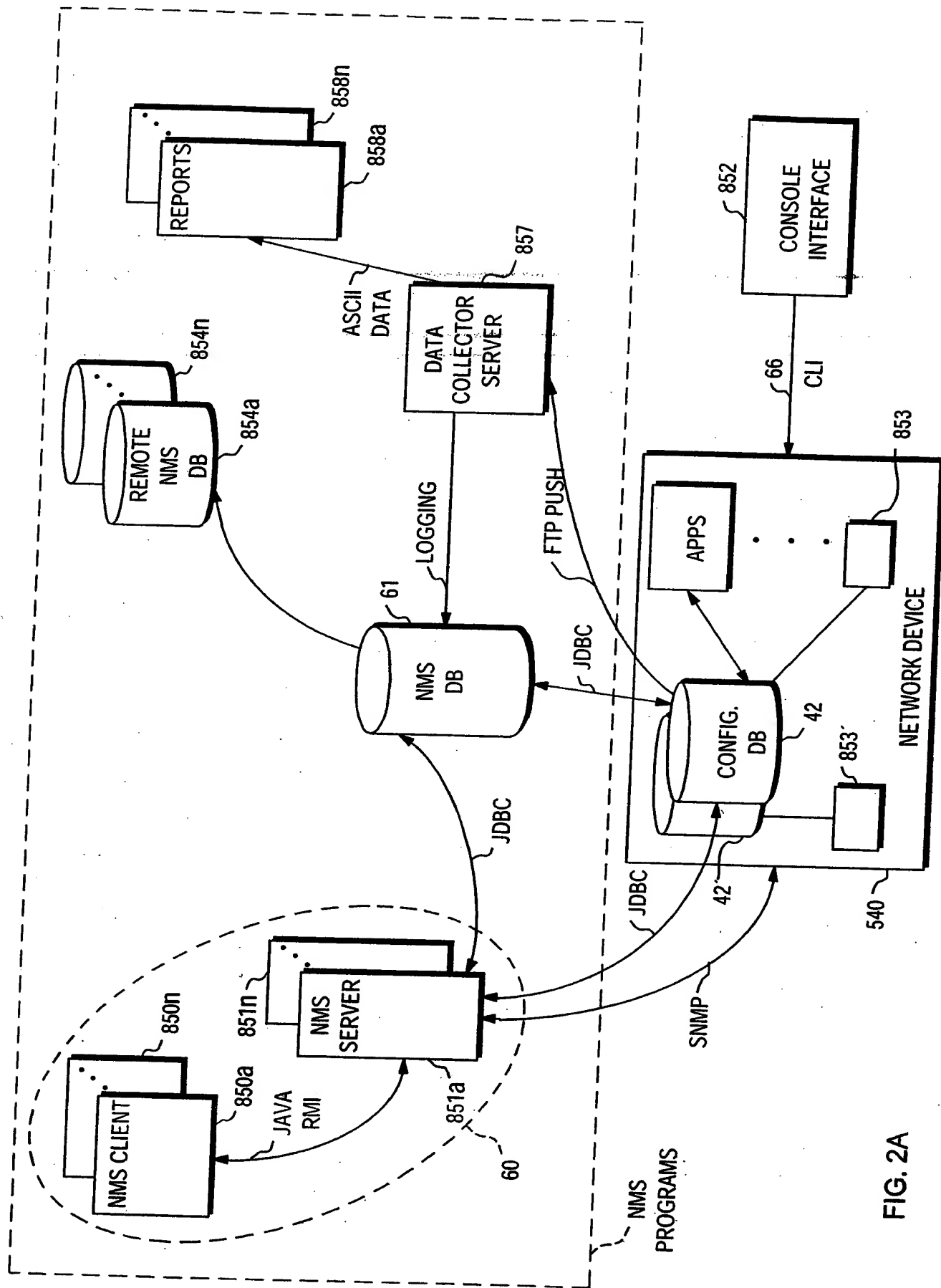


FIG. 2A

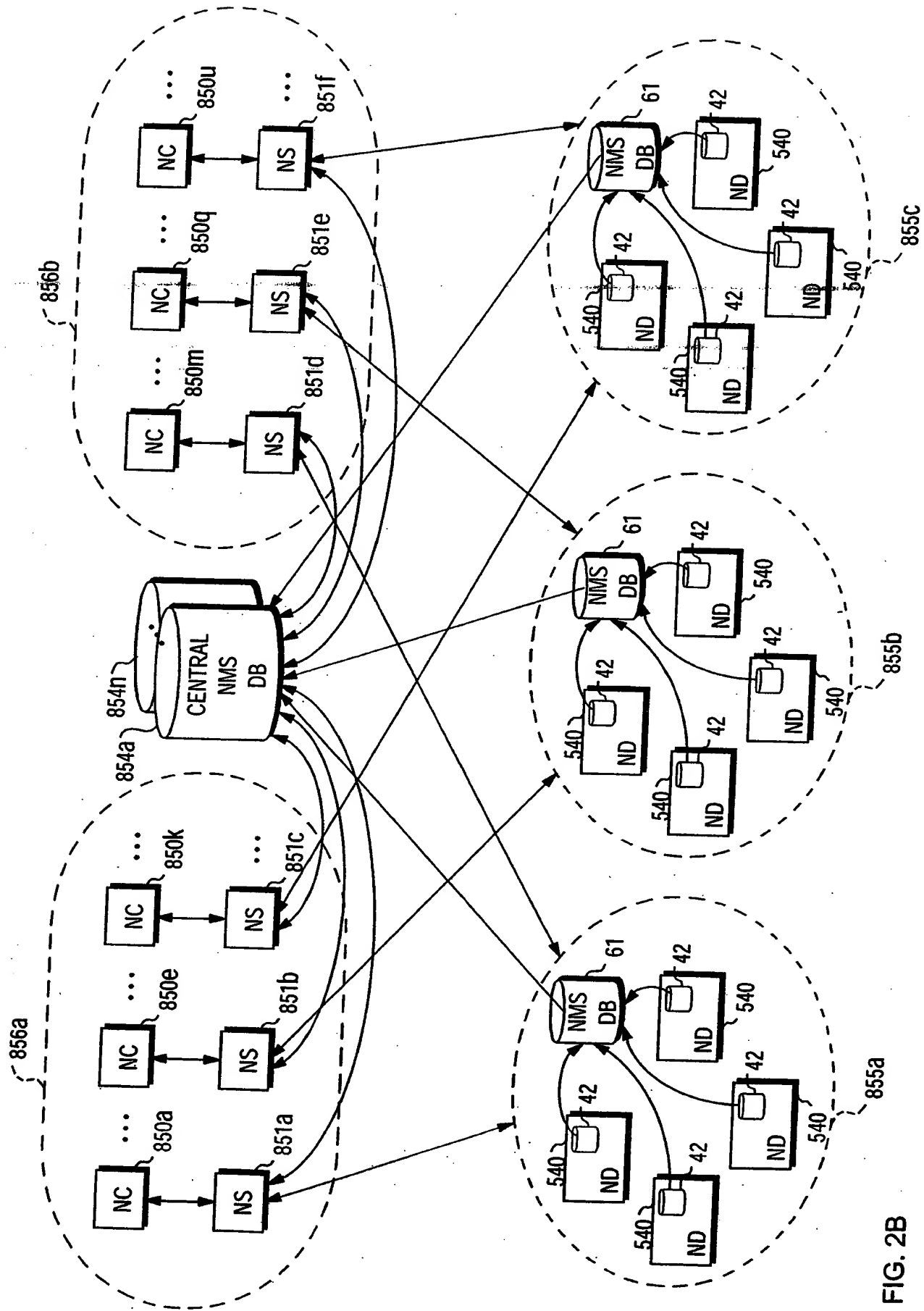


FIG. 2B

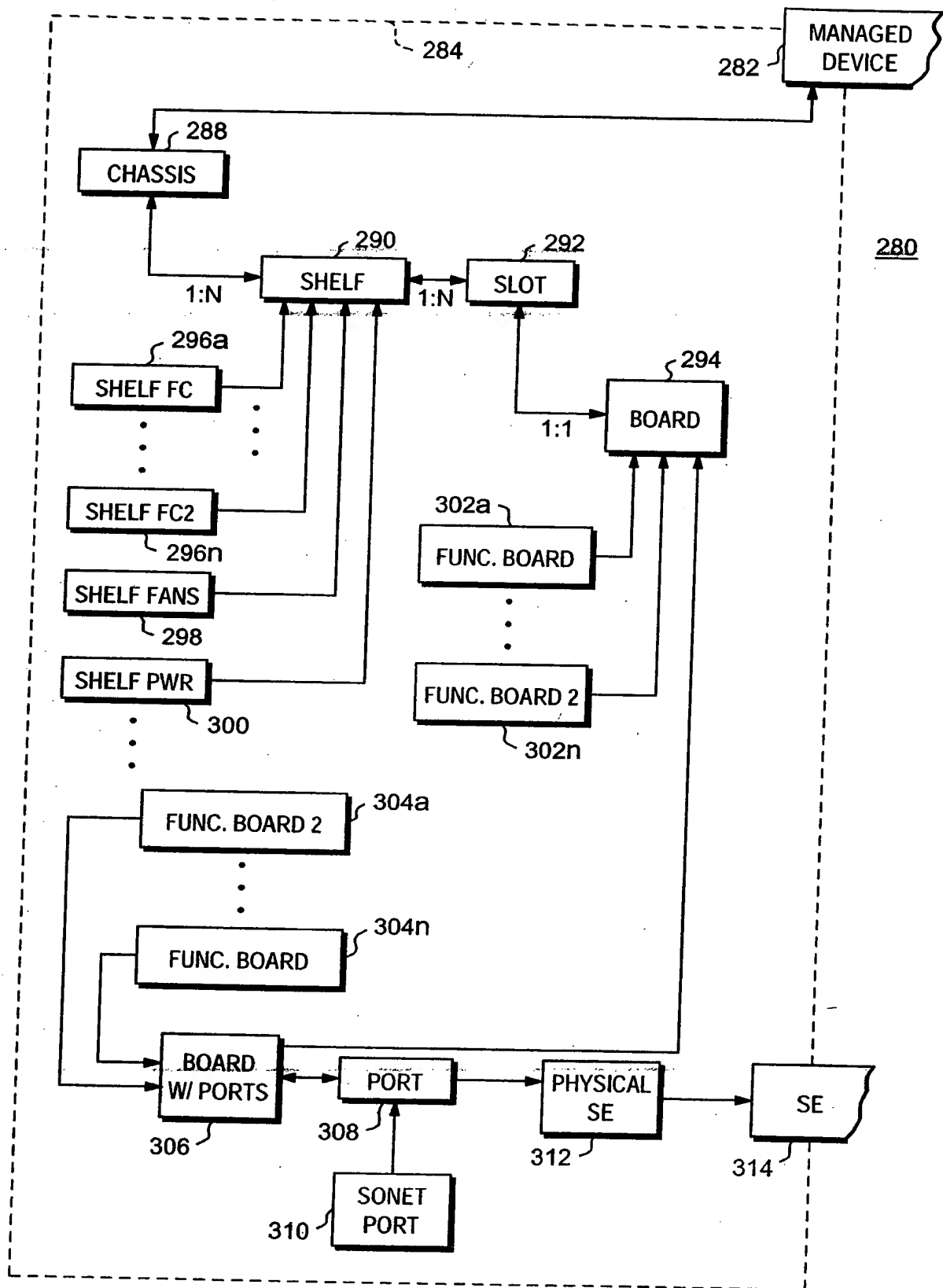


FIG. 3A

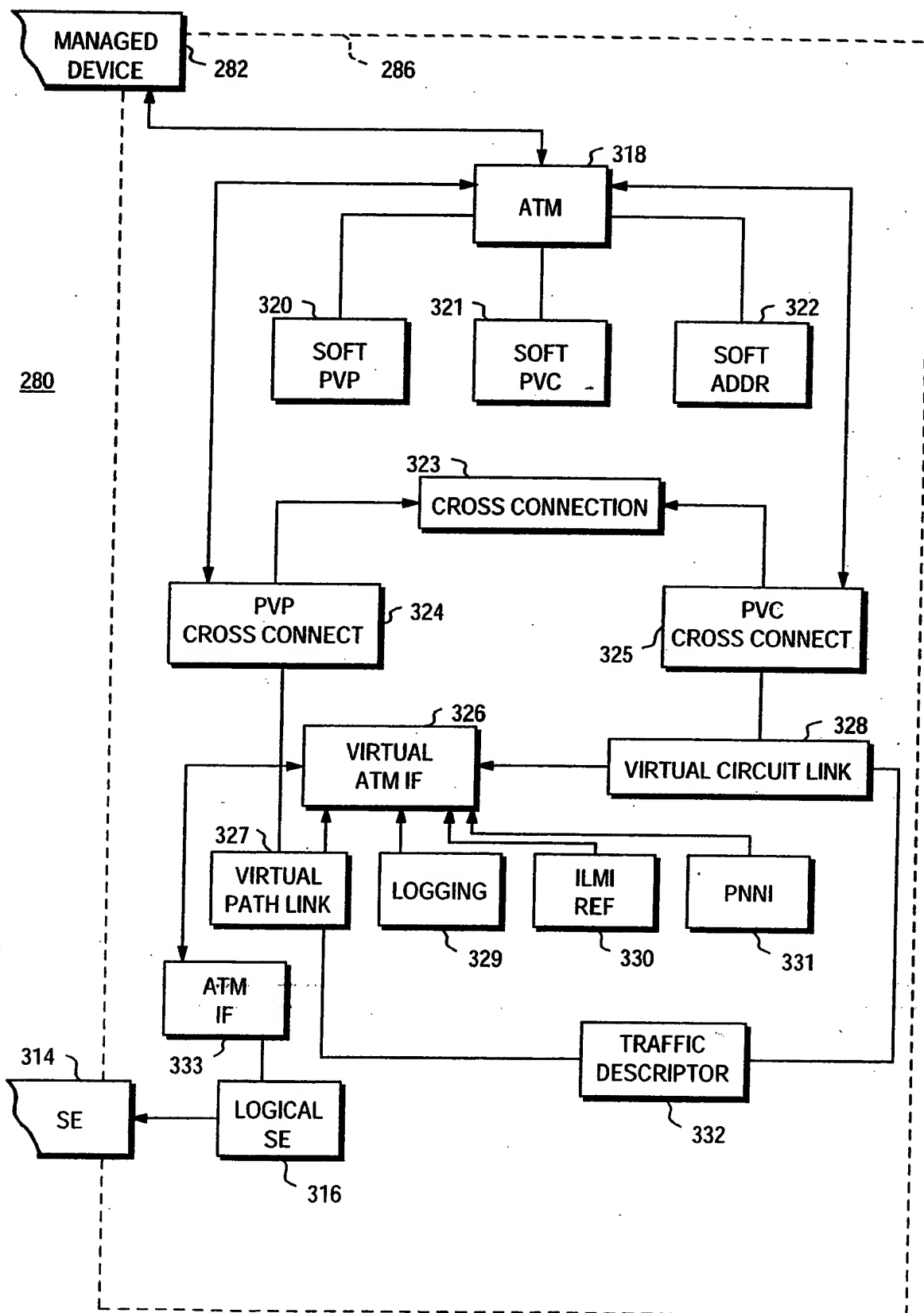


FIG. 3A CONTINUED

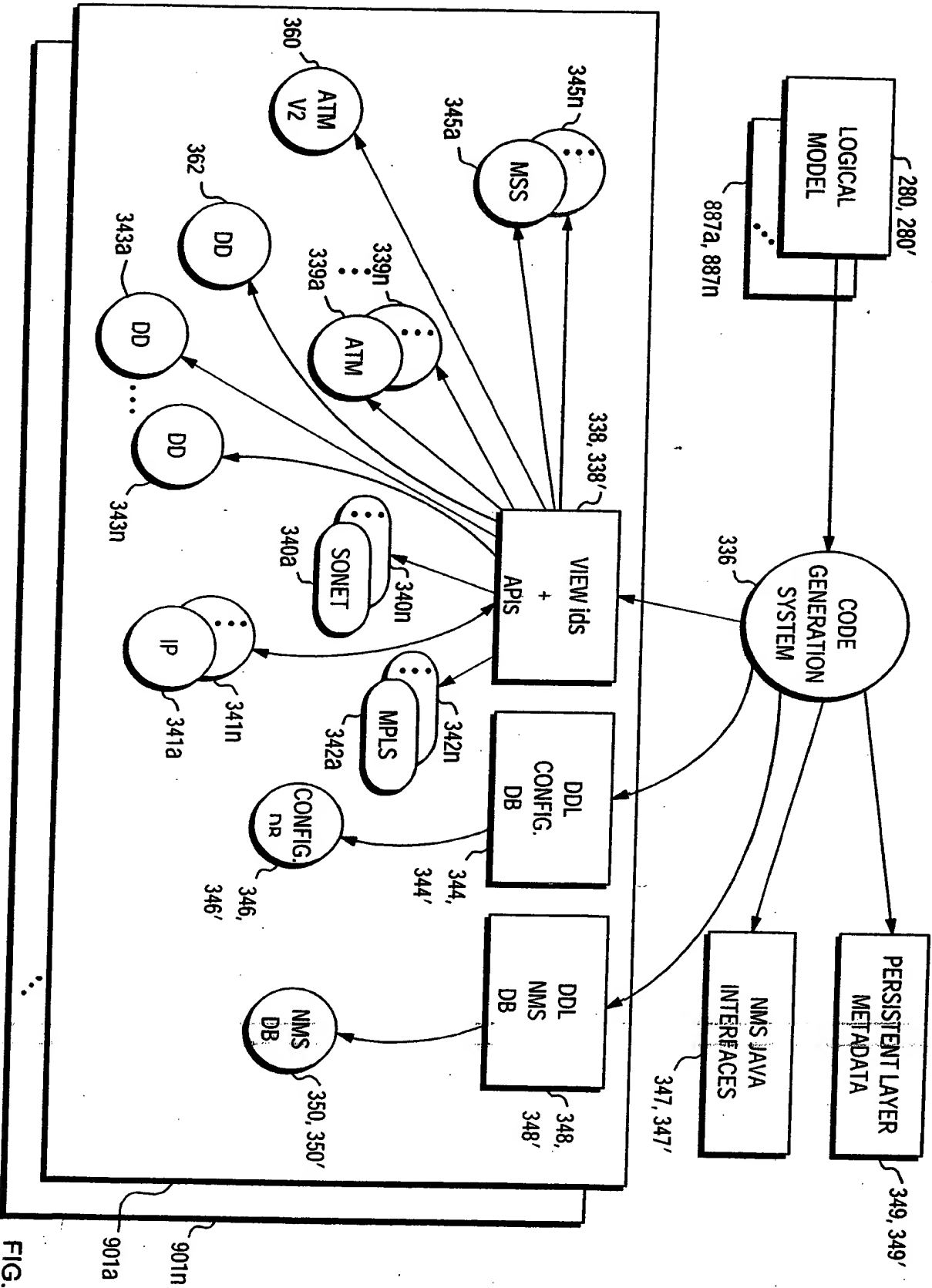


FIG. 3B

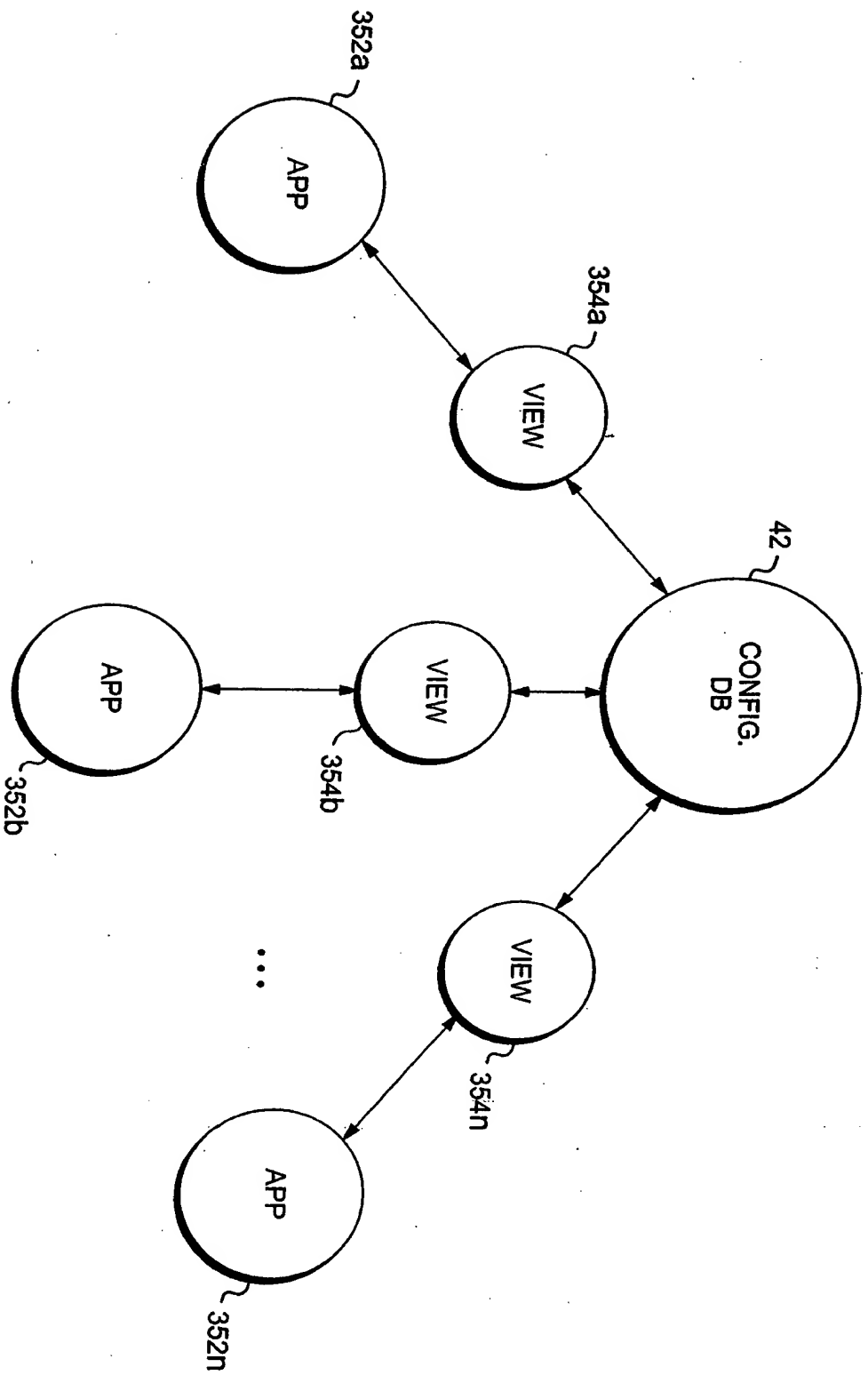


FIG. 3C

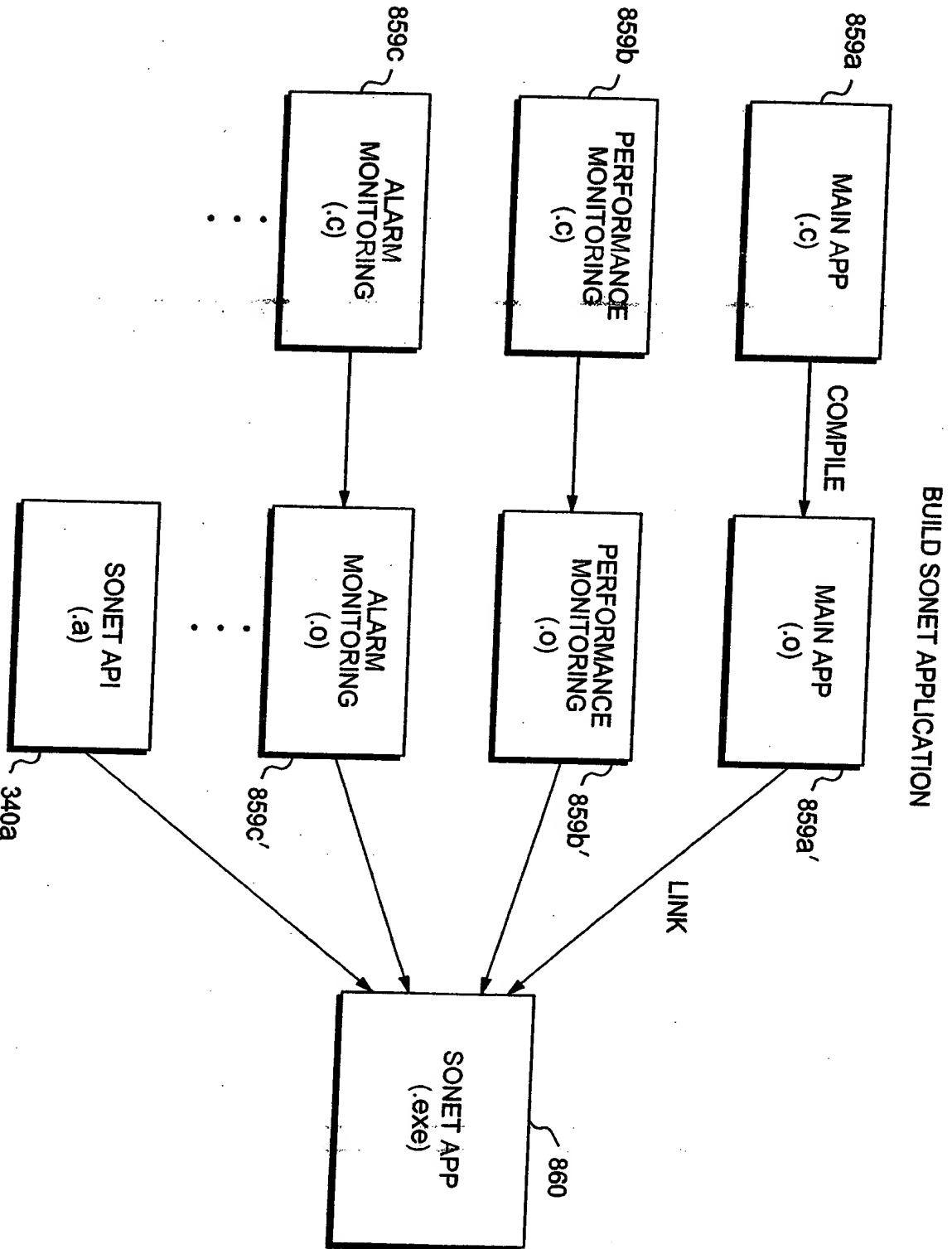


FIG. 3D

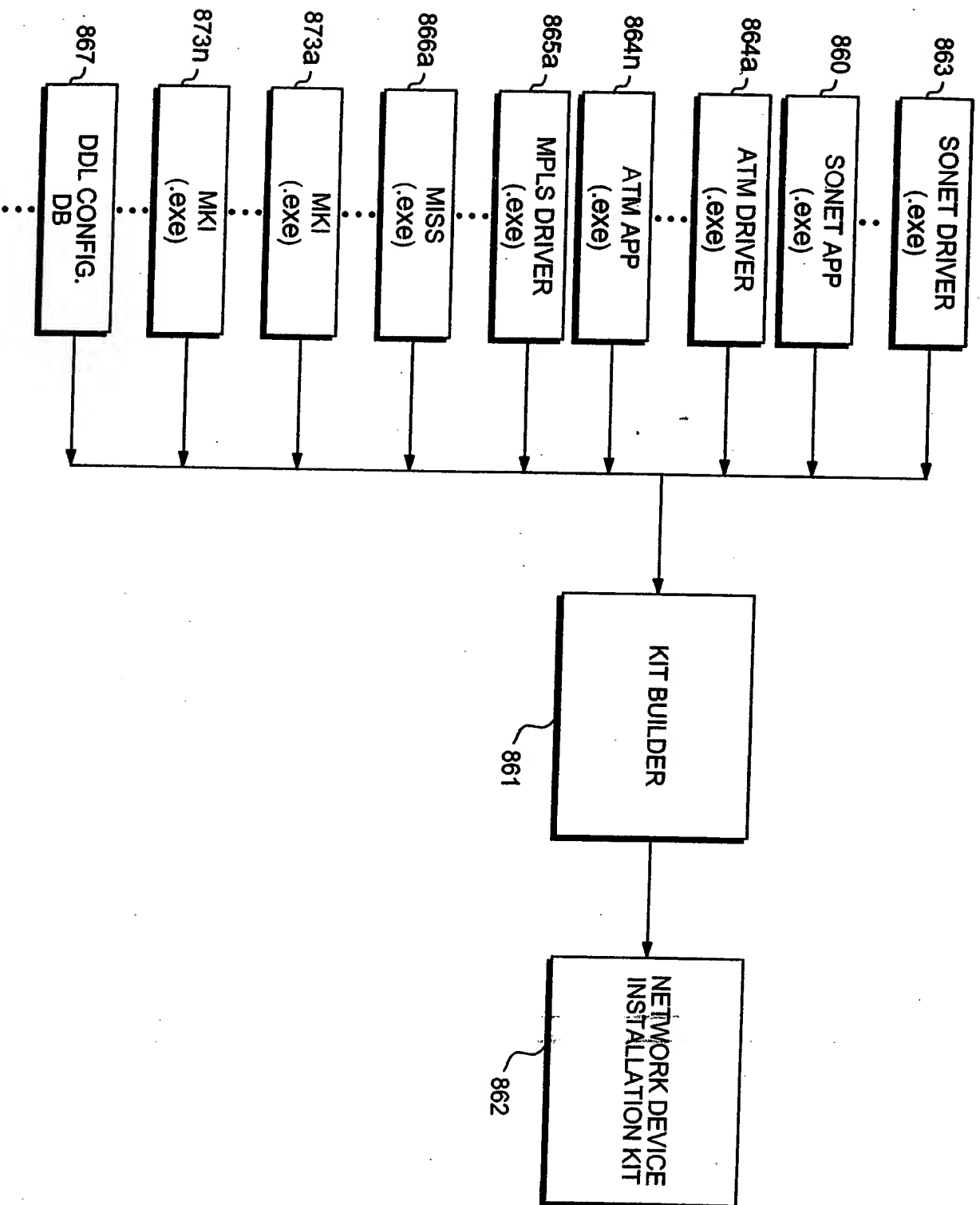


FIG. 3E

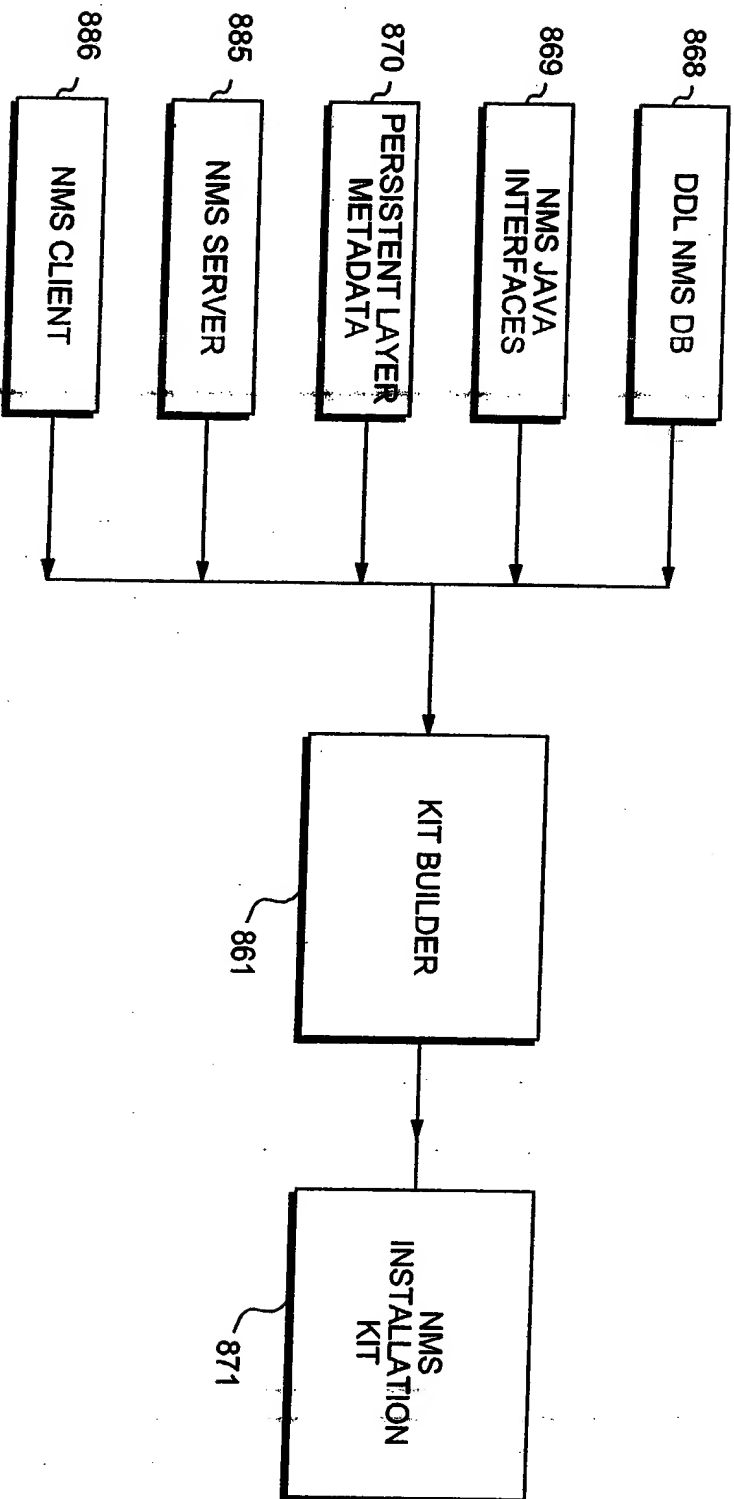


FIG. 3F

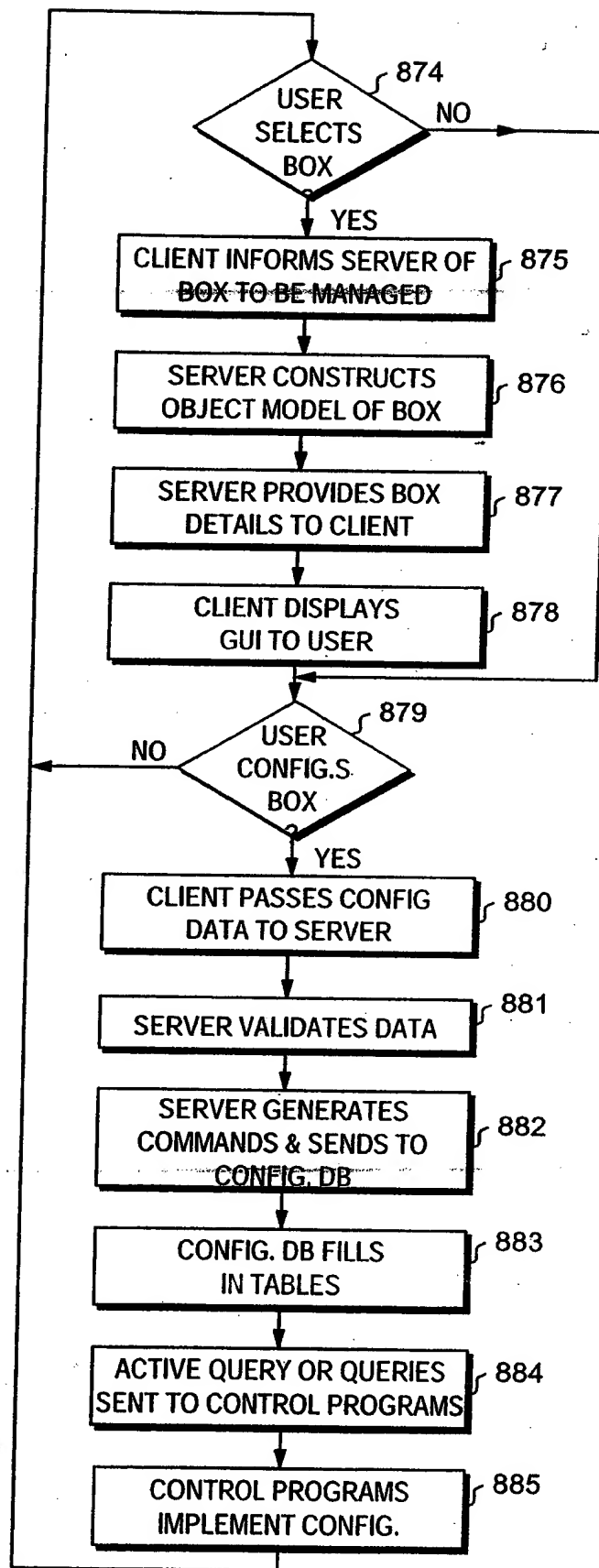


FIG. 3G

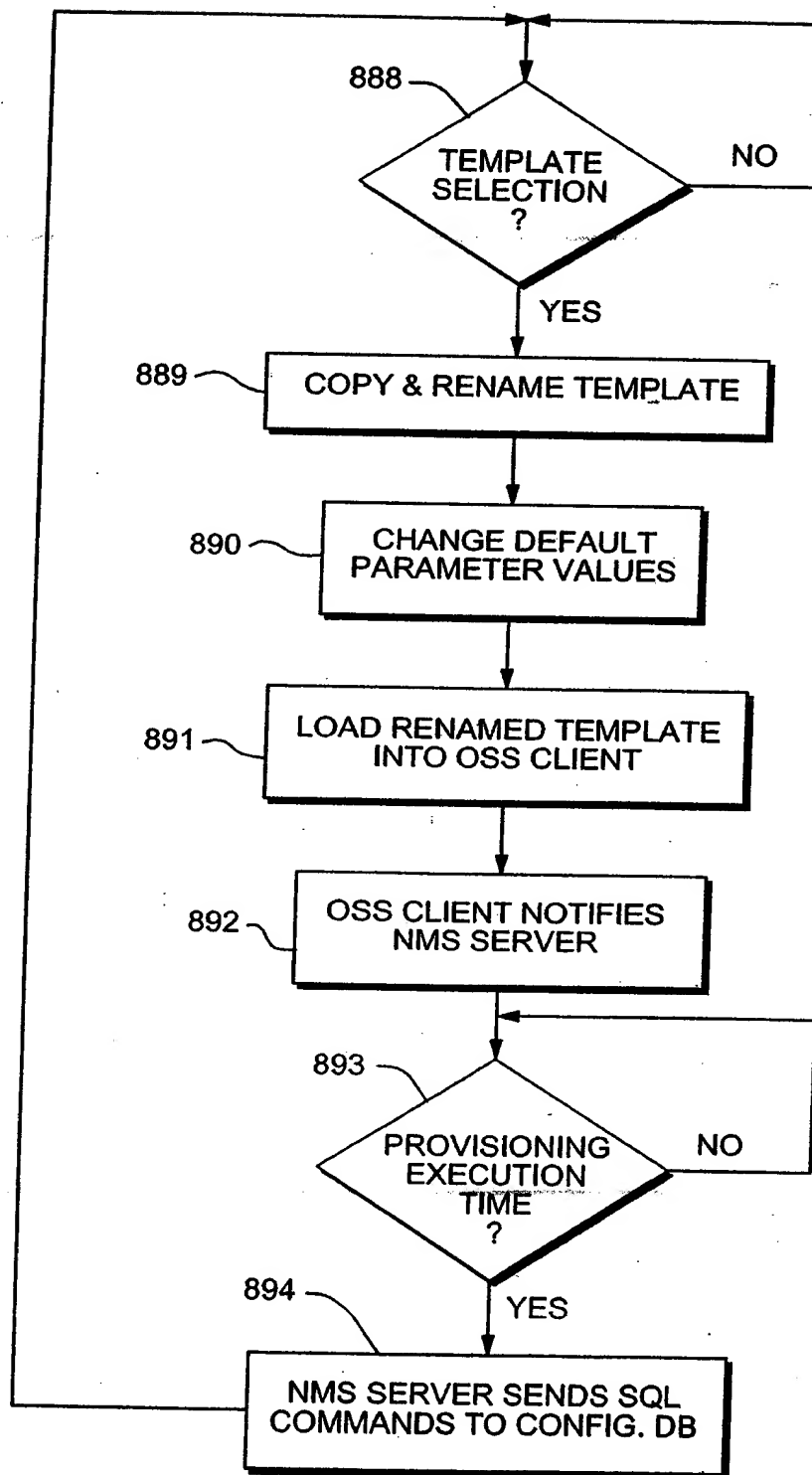


FIG. 3H

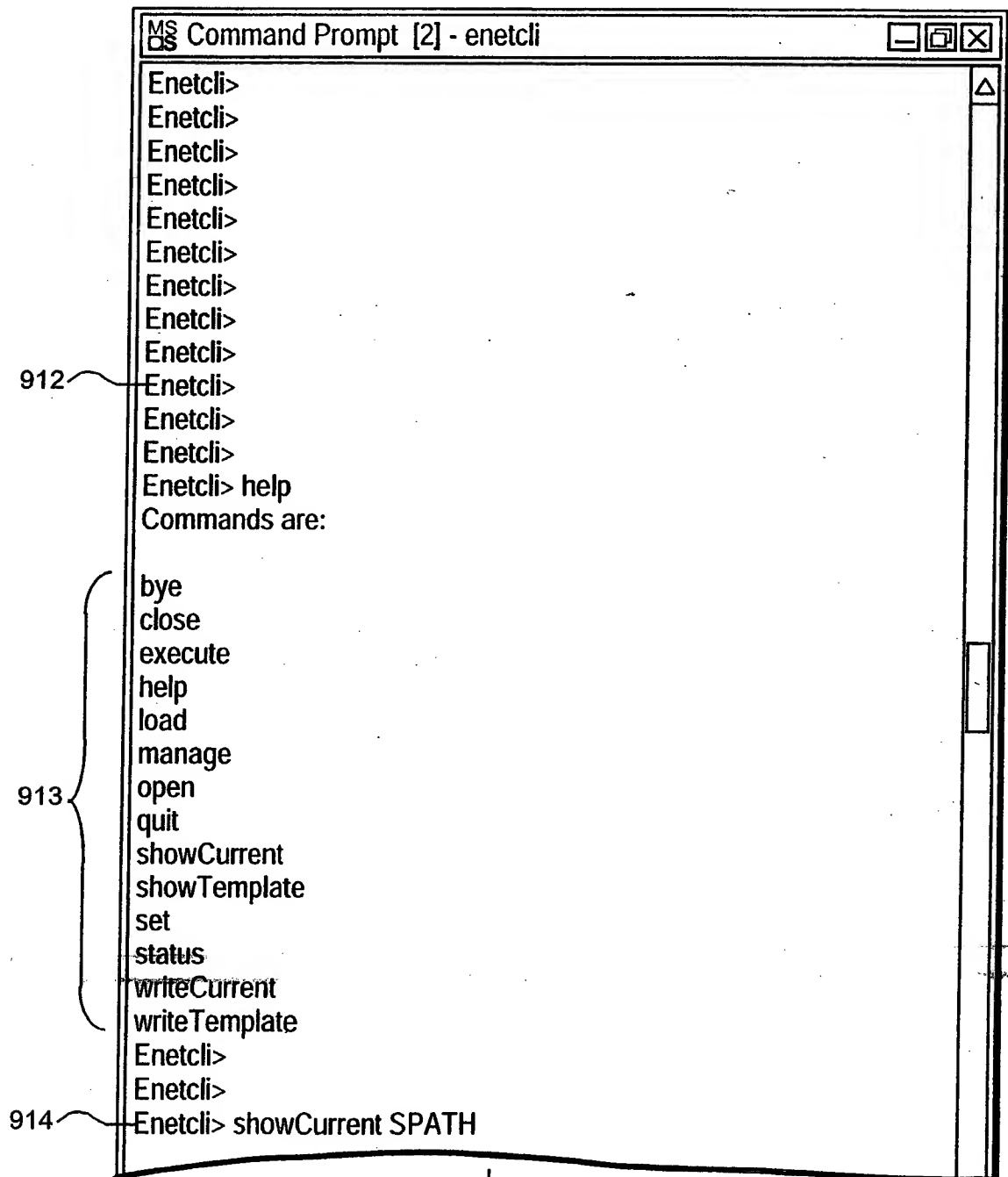


FIG. 3I CONTINUED

FROM FIG. 3I

915 {
ATMIfName=ATMIf11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator=Create
PortID=1
Position=1
Service=ATM
ShelfID=11
SlotID=1
Type=Terminated
Version=V1_1_0_0
Width=STS3
Enetcli>
Enetcli>
Enetcli>
916 { Enetcli> showTemplate SPATH
ATMIfName=<String>[TerminatedOnly]
Concatenated=<true:false>
Name=<String>
Operant=SPATH
Operator=<Create:Replace:Update:Delete>
917 { PortID=<Integer><1-16>
Position=<Integer>
Service=<None :ATM>
ShelfID=<11[top],13[bottom]>
SlotID=<Integer><1-8>
Type=<switched :Terminated>
Version=V1_1_0_0
Width=<STS1:STS3:STS12:STS48>
Enetcli>
Enetcli>
918 { Enetcli> status
919 { Not currently connected to server
920 { Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
Enetcli>

FIG. 3I CONTINUED

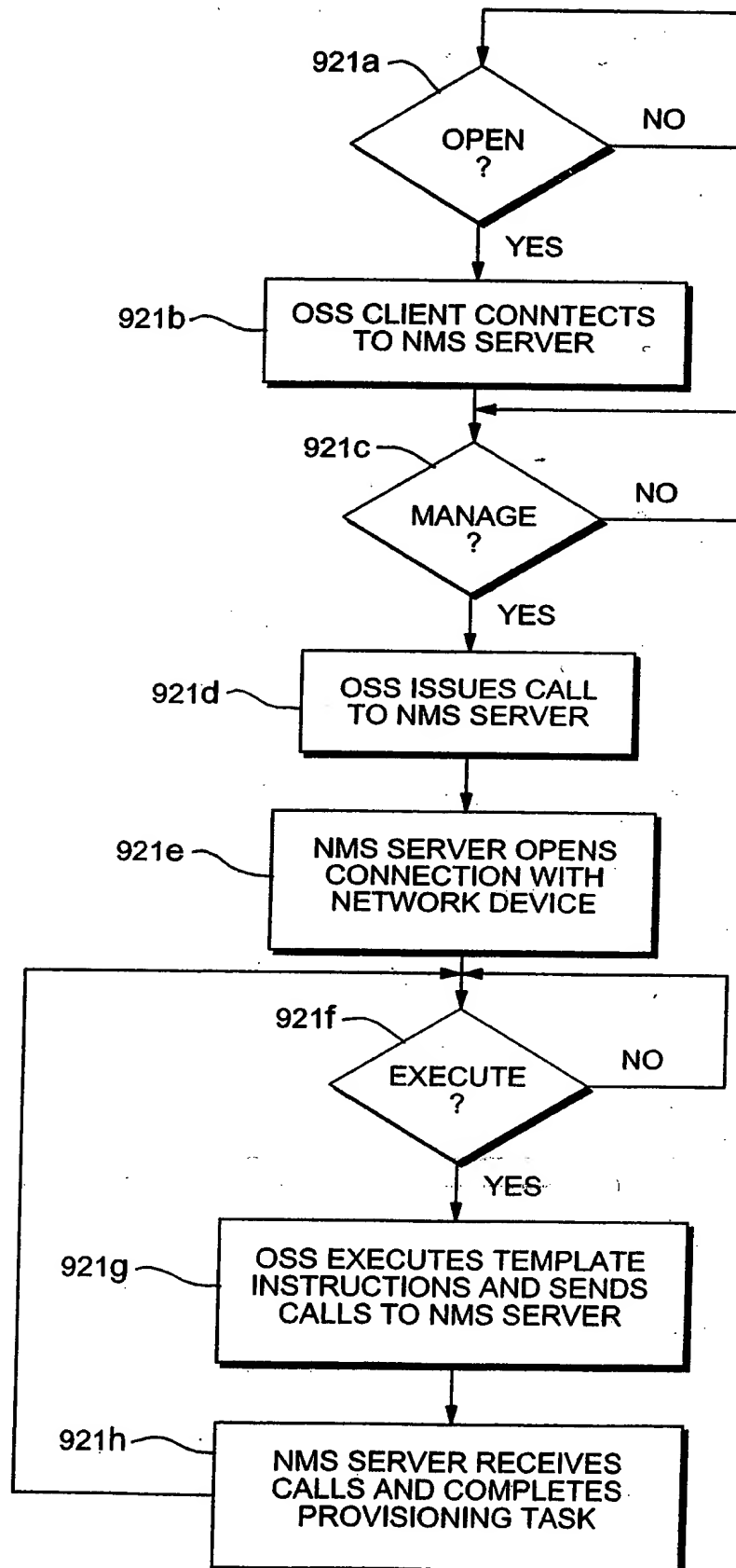


FIG. 3J

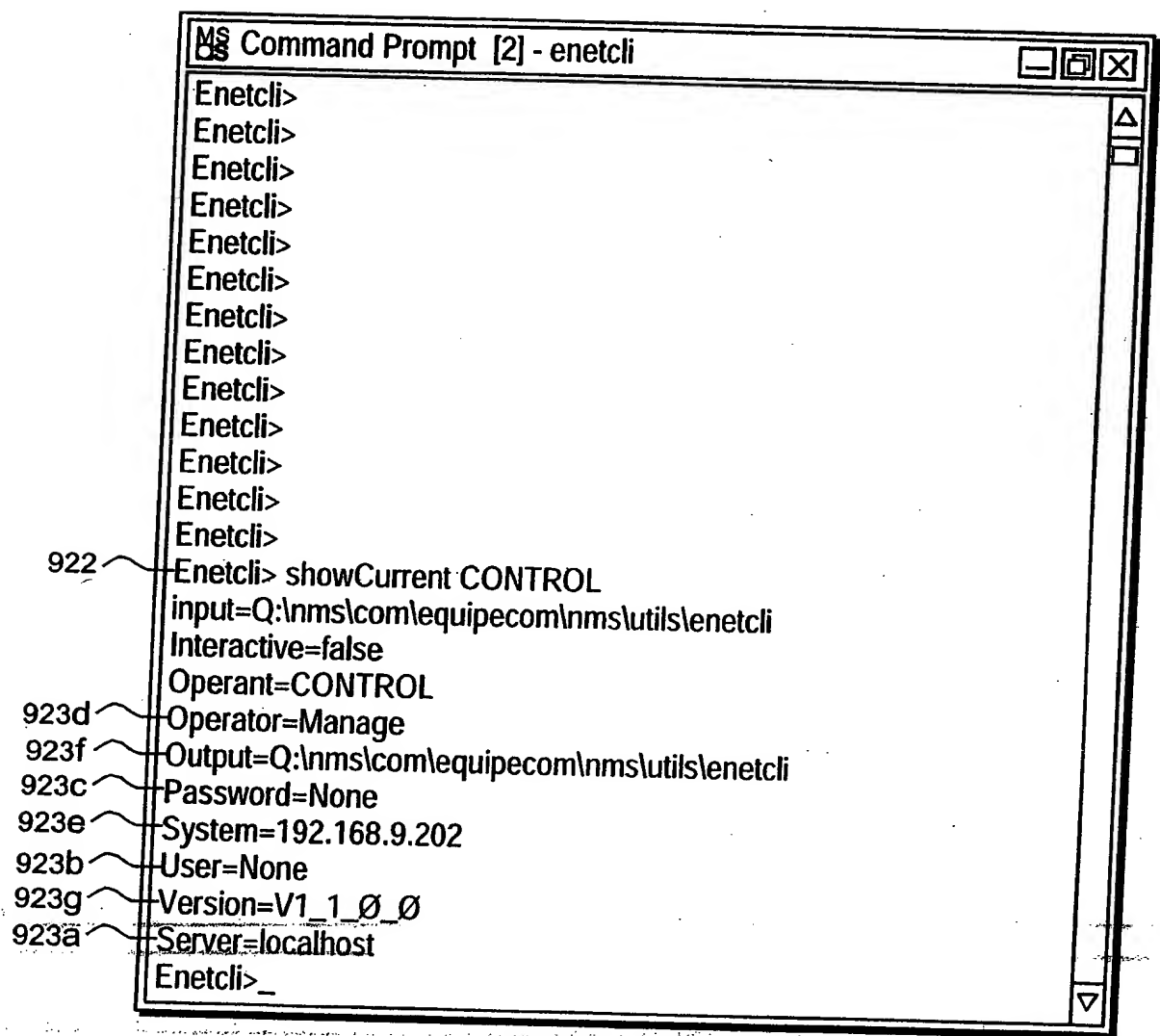


FIG. 3K

BATCH

924



Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a ~ TASK1=execute-SPATH

924b ~ TASK2=execute-PVC

924c ~ TASK3=execute-SPVC

924d ~ TASK4=load-SPVC-spvc1

924e ~ TASK5=execute-SPVC

924f ~ TASK6=load-SPVC-spvc2

924e ~ TASK7=execute-SPVC

.

.

924g ~ TASK50=set-SPATH-PortID-3

924h ~ TASK51=execute-SPATH

924i ~ TASK52=set-SPATH-SlotID-2

924j ~ TASK53=execute-SPATH

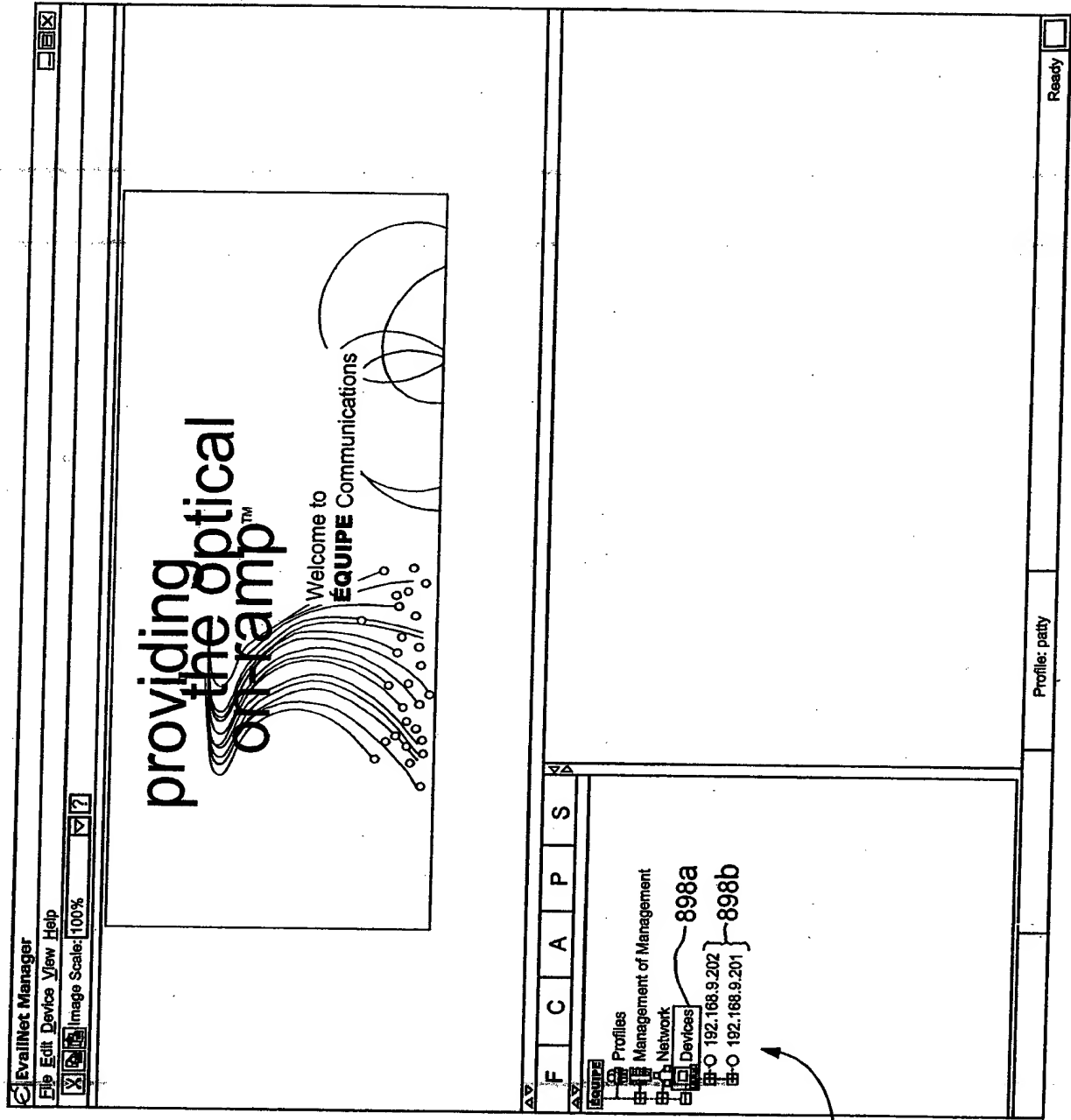
FIG. 3L

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.
.

FIG. 3M

895



898

FIG. 4A

895

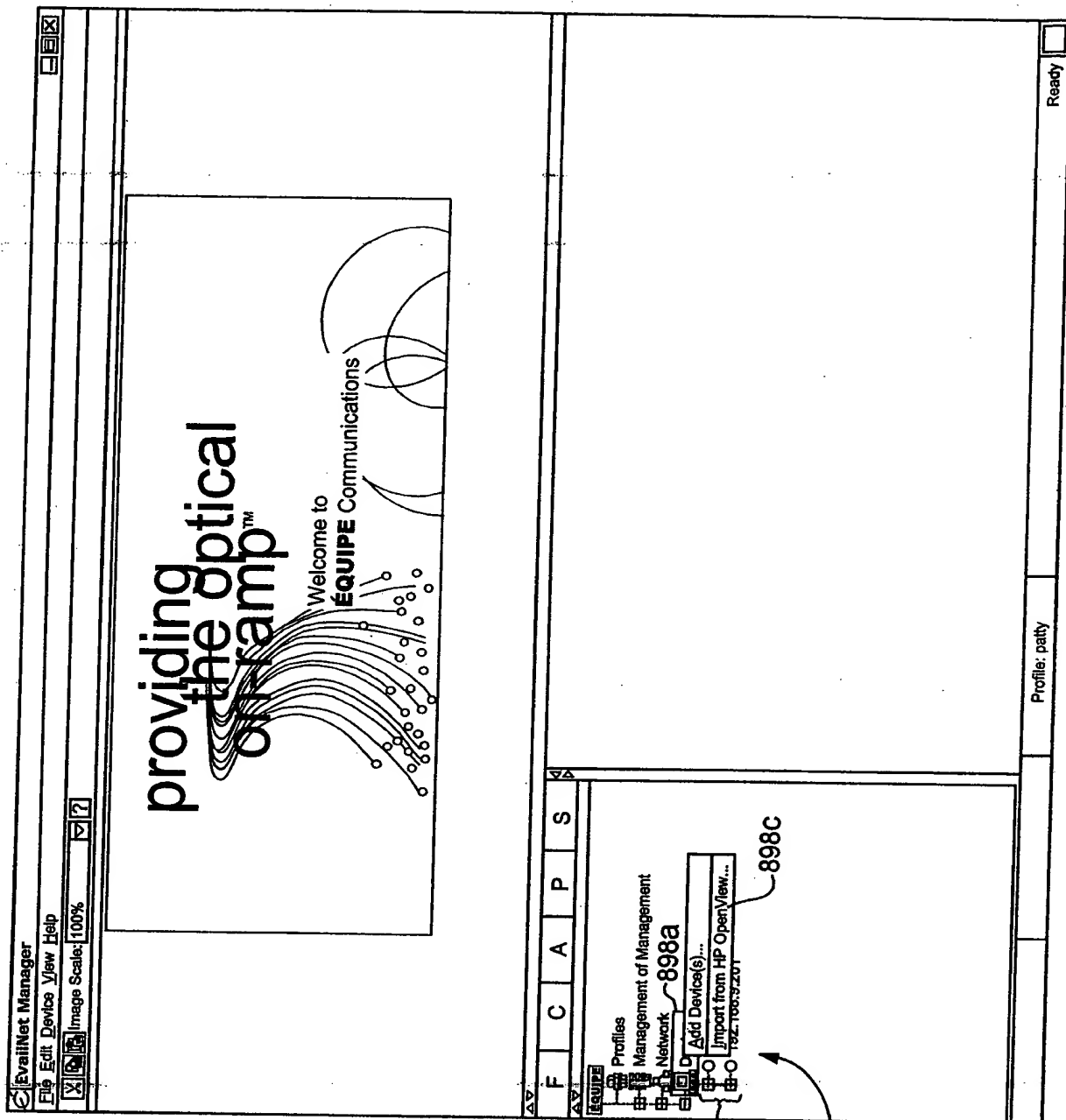


FIG. 4B

AddDeleteDeviceDlg [X]

Enter device to add 898e

192.168.9.203

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

OK Cancel Delete

898d

FIG. 4C

AddDeleteDeviceDlg [X]

Enter device to add 898e

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

☒ 192.168.9.203 898g

OK Cancel Delete

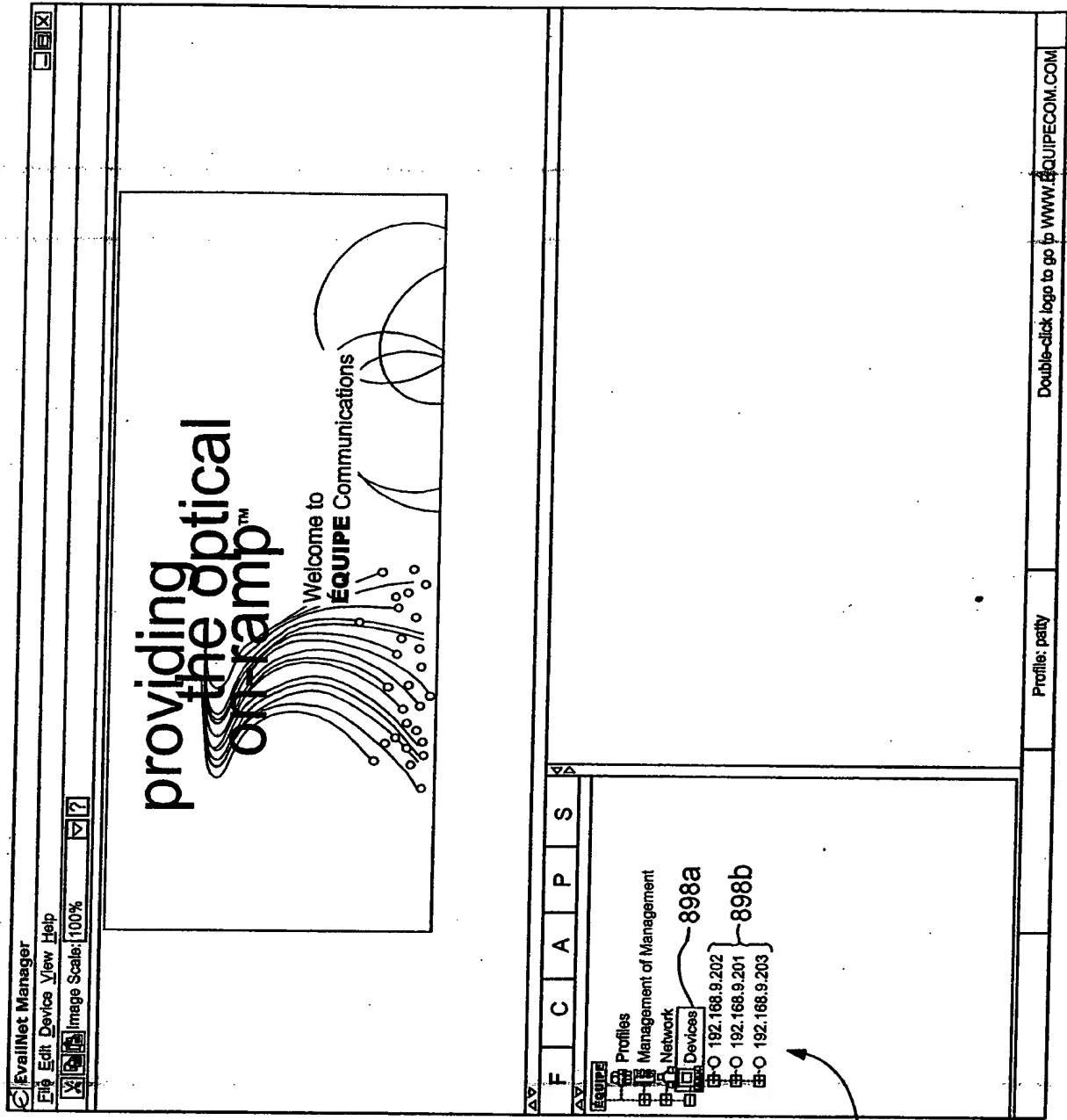
898j 898h

898i

898d

FIG. 4D

895



898

FIG. 4E

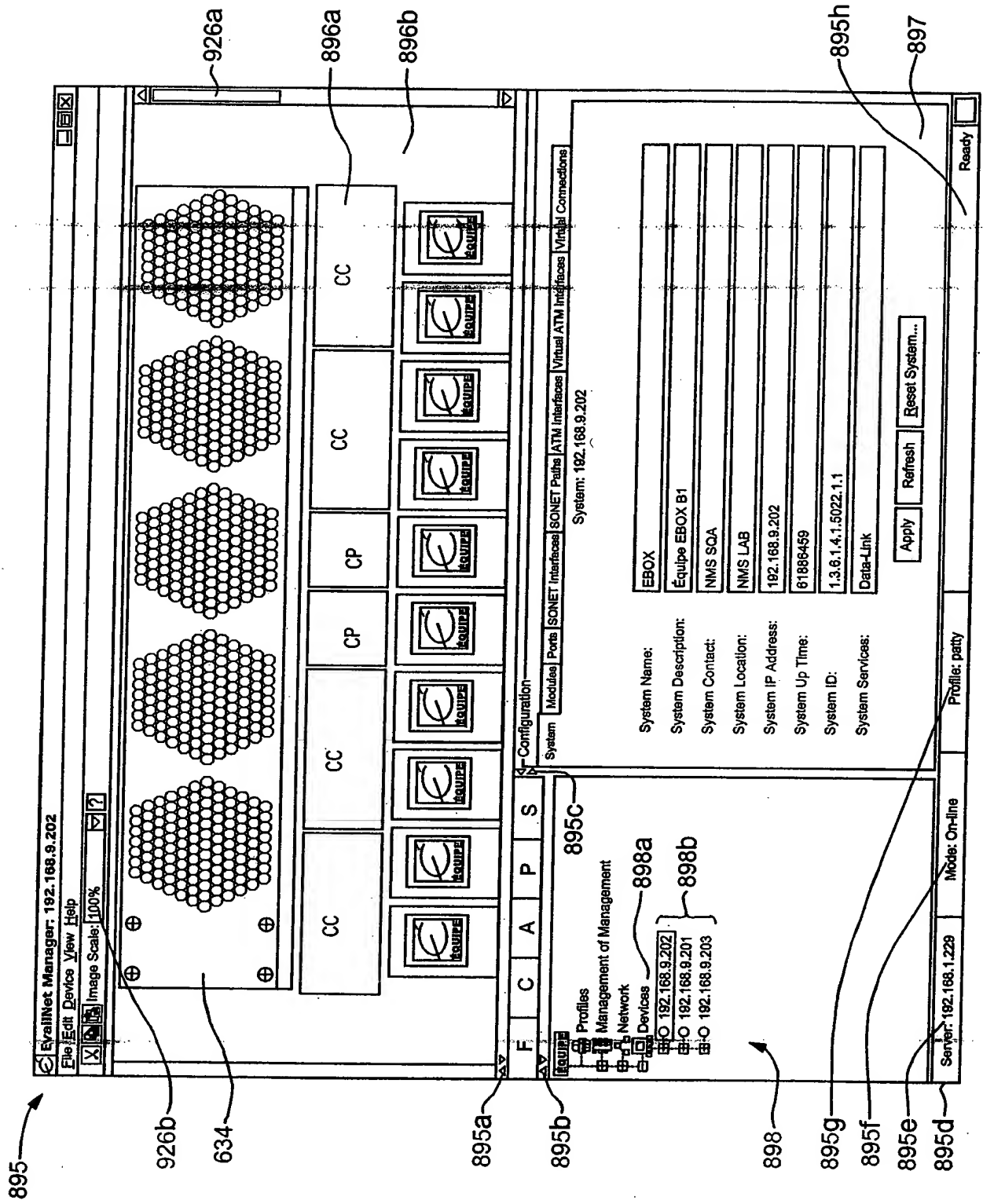


FIG. 4F

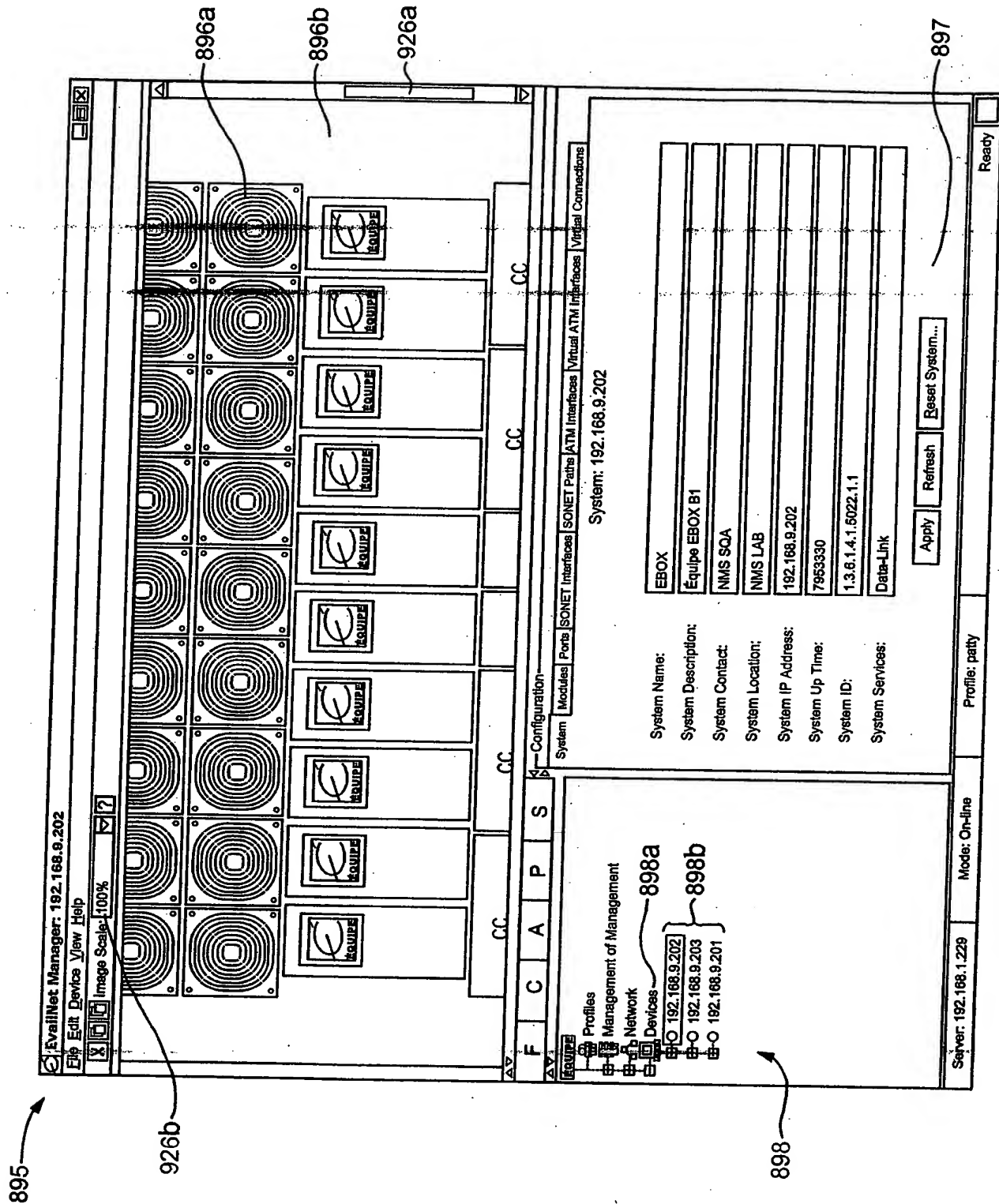


FIG. 4G

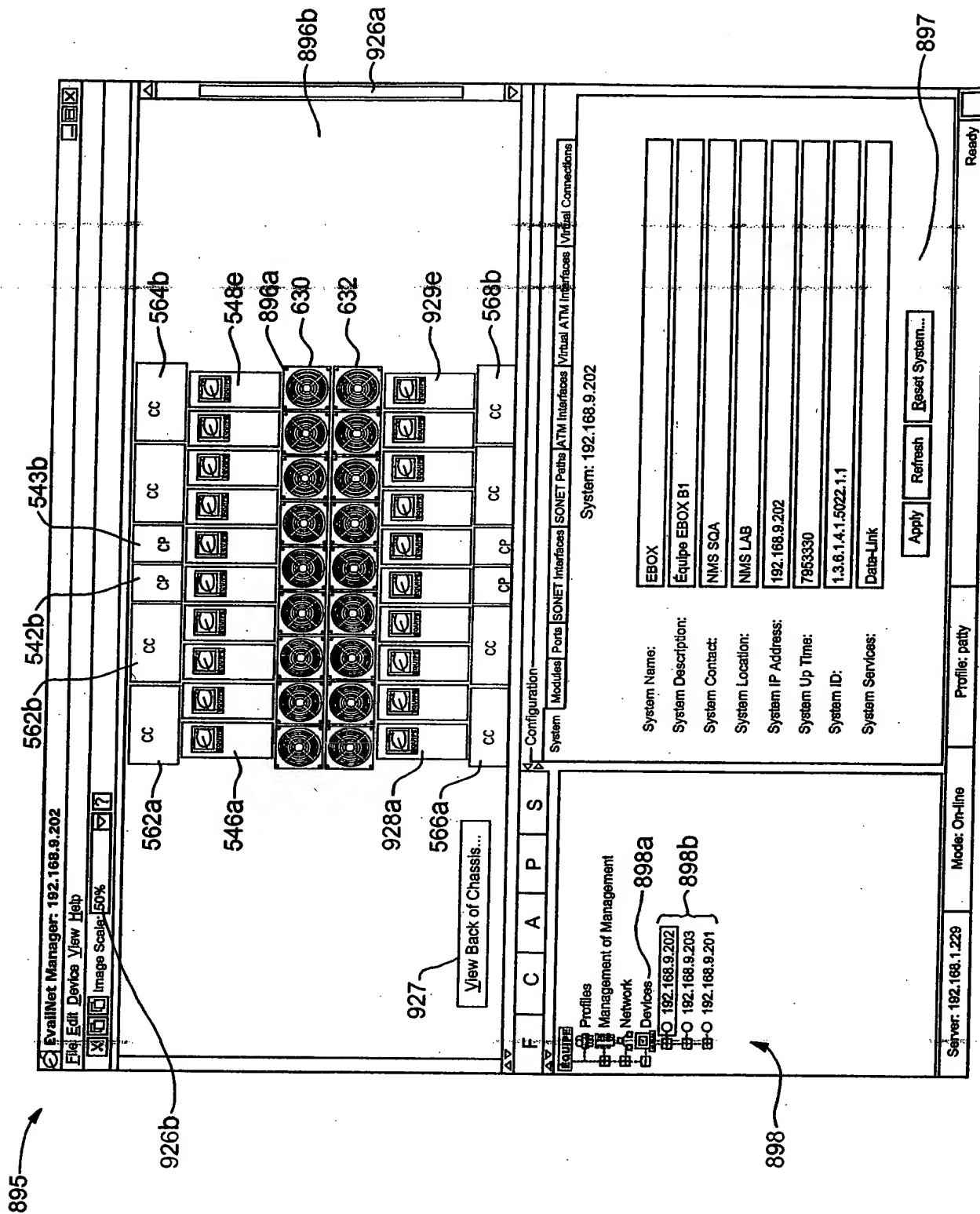


FIG. 4H

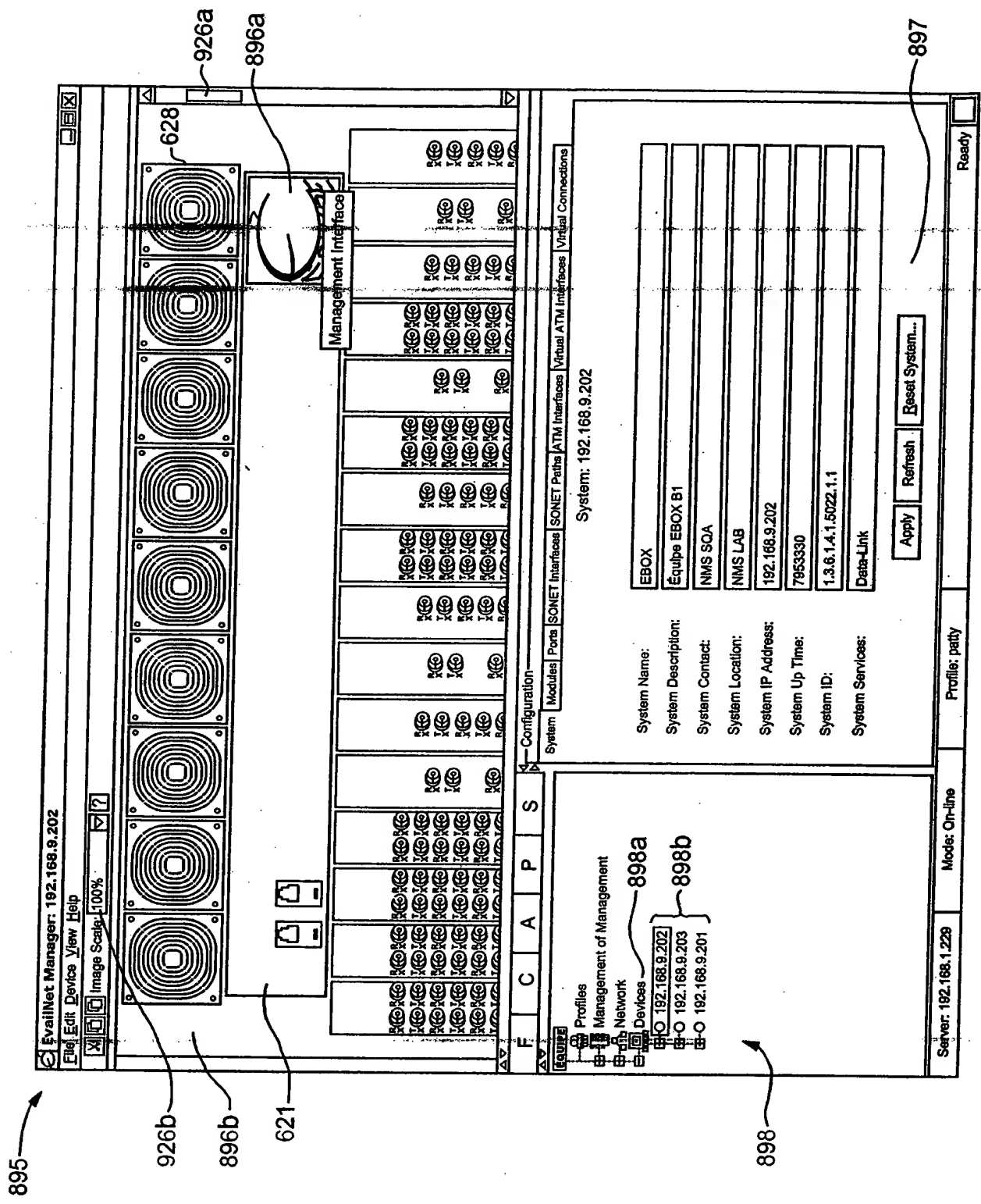


FIG. 41

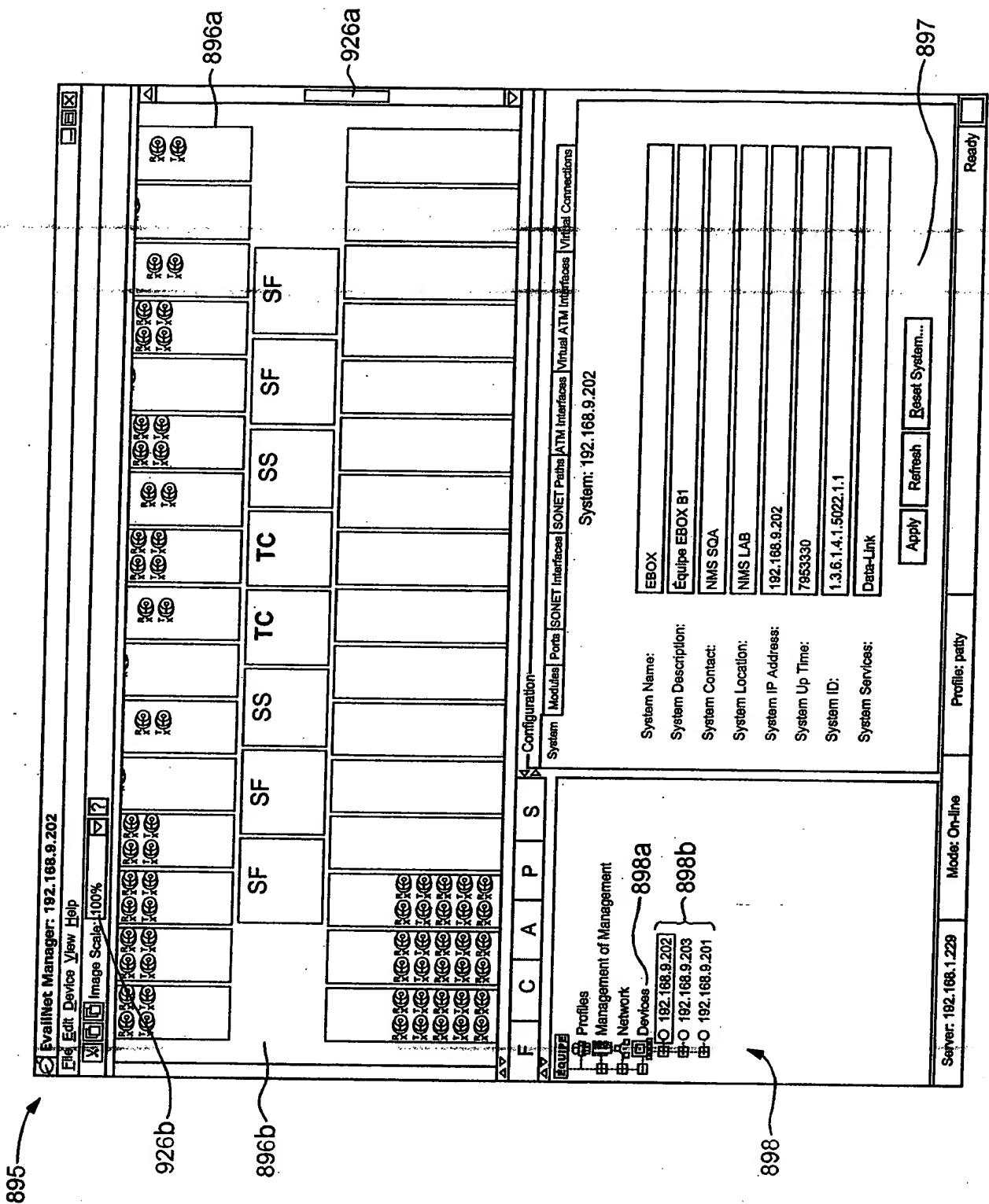


FIG. 4J

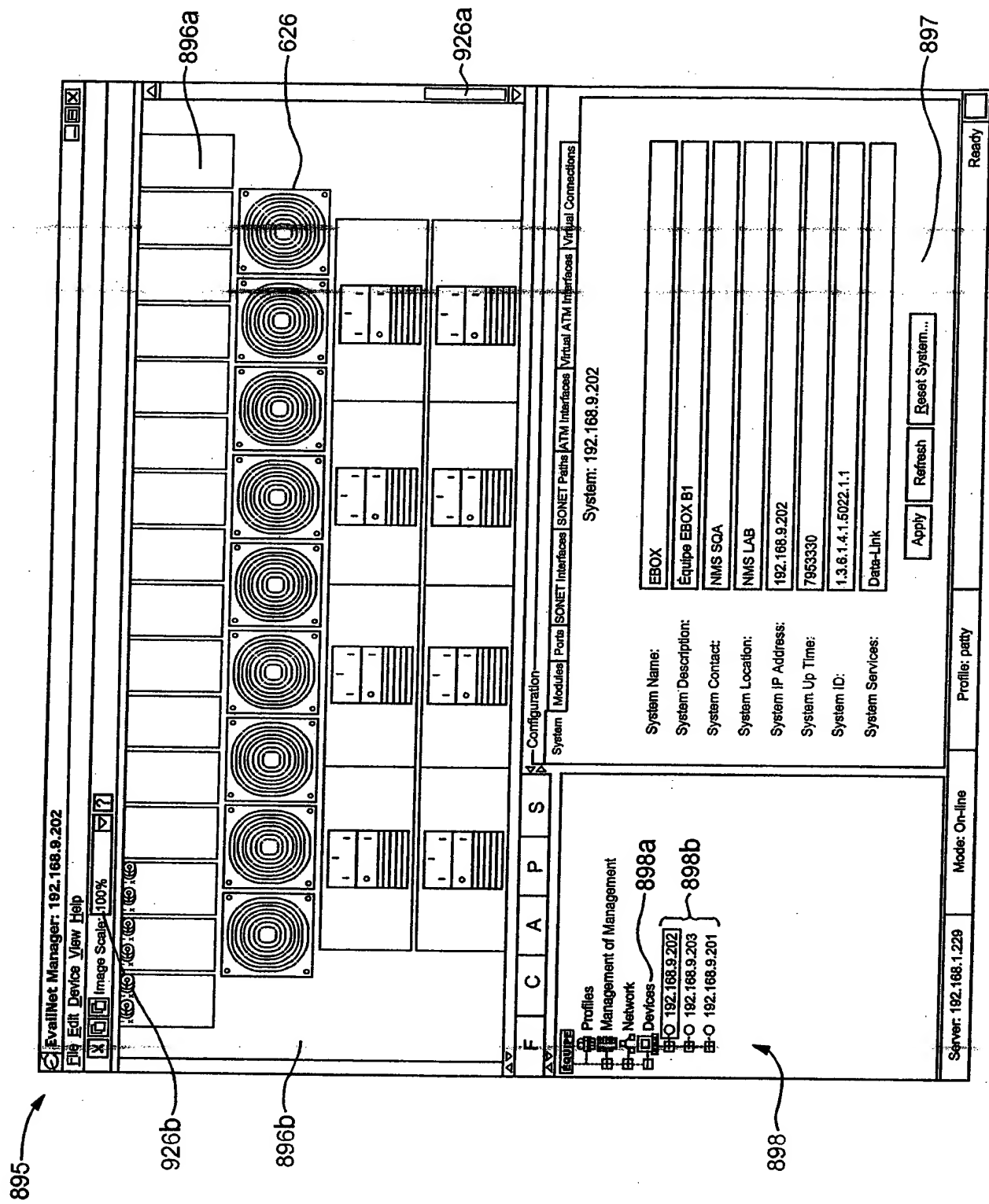


FIG. 4K

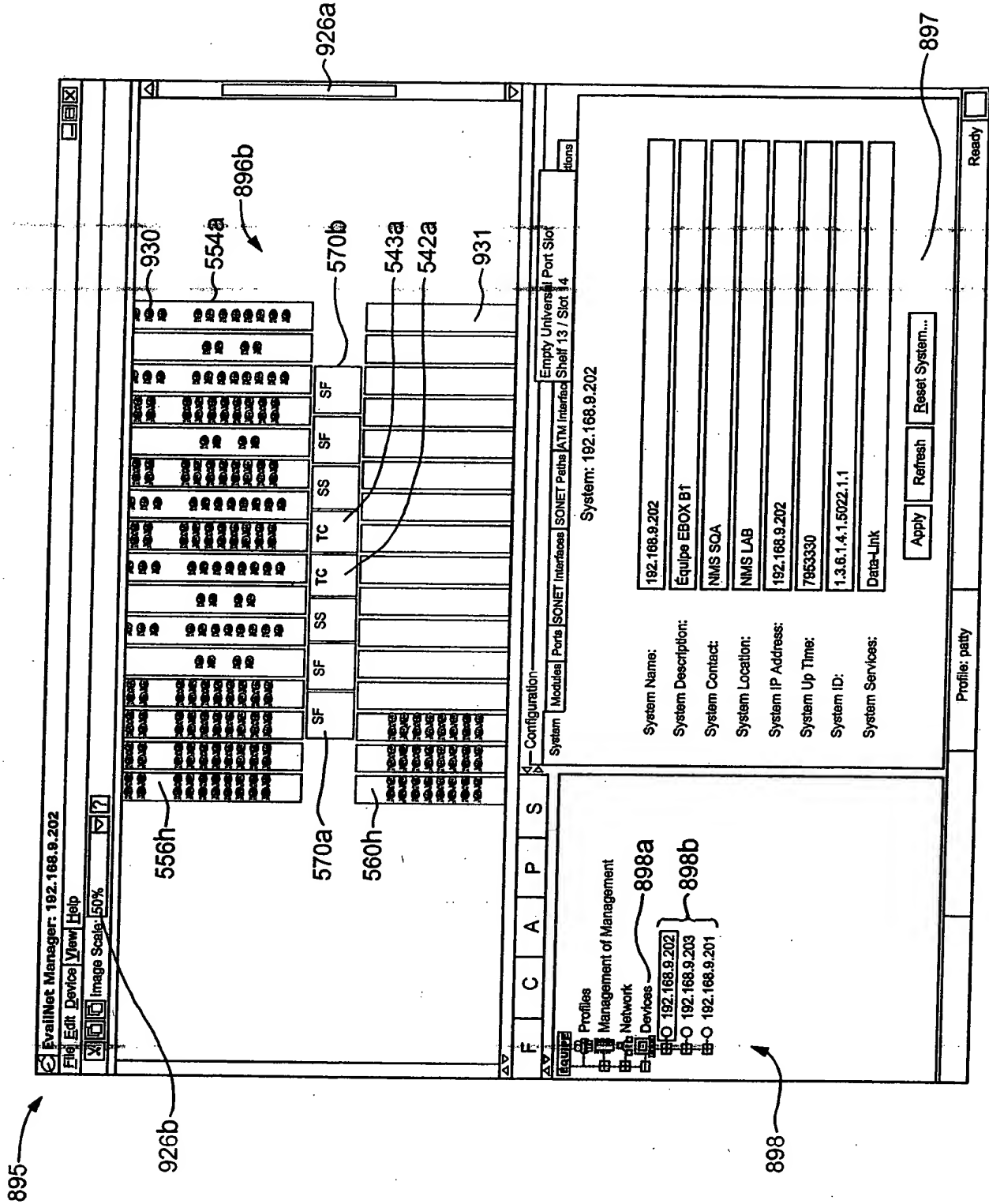


FIG. 4L

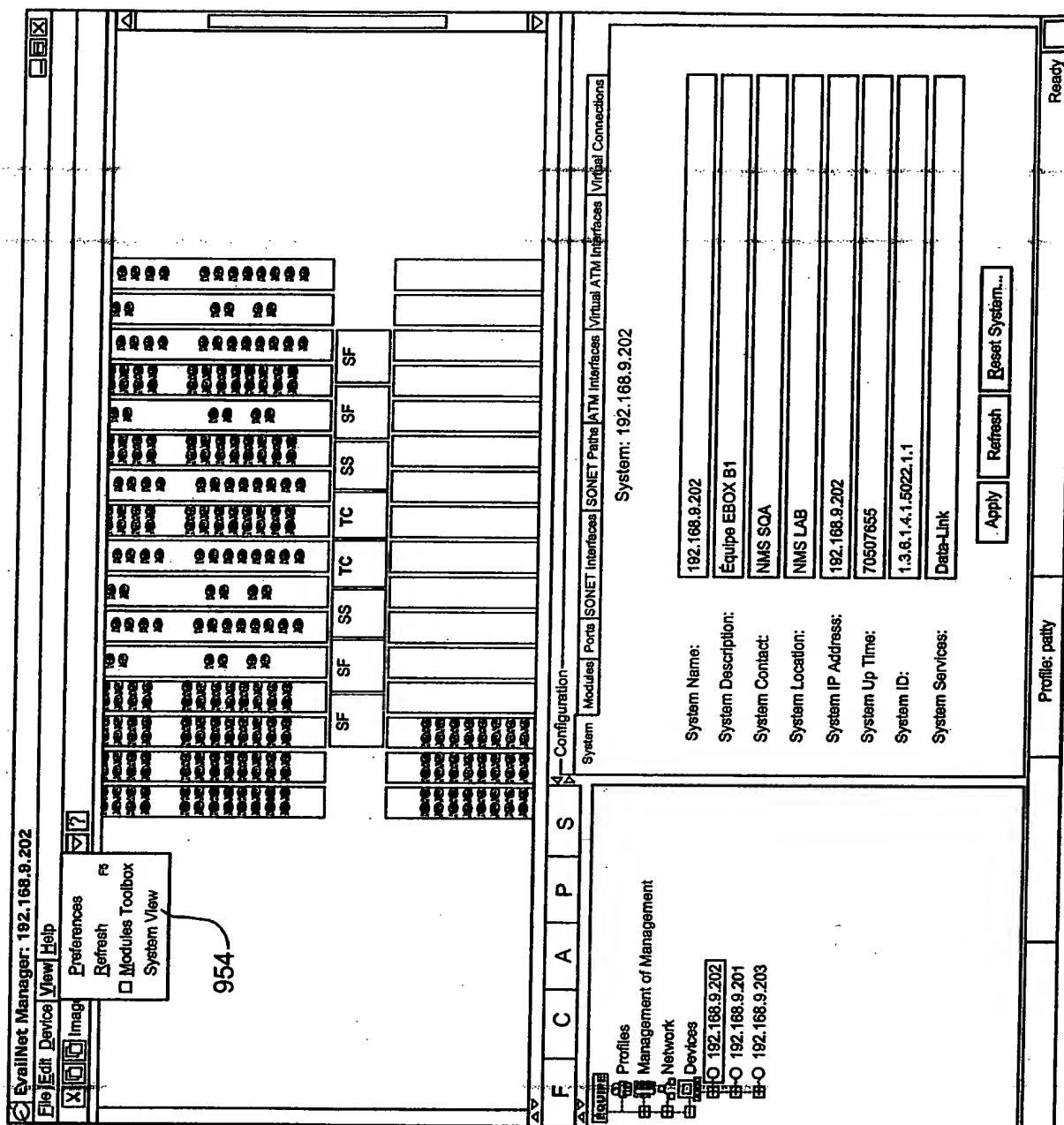
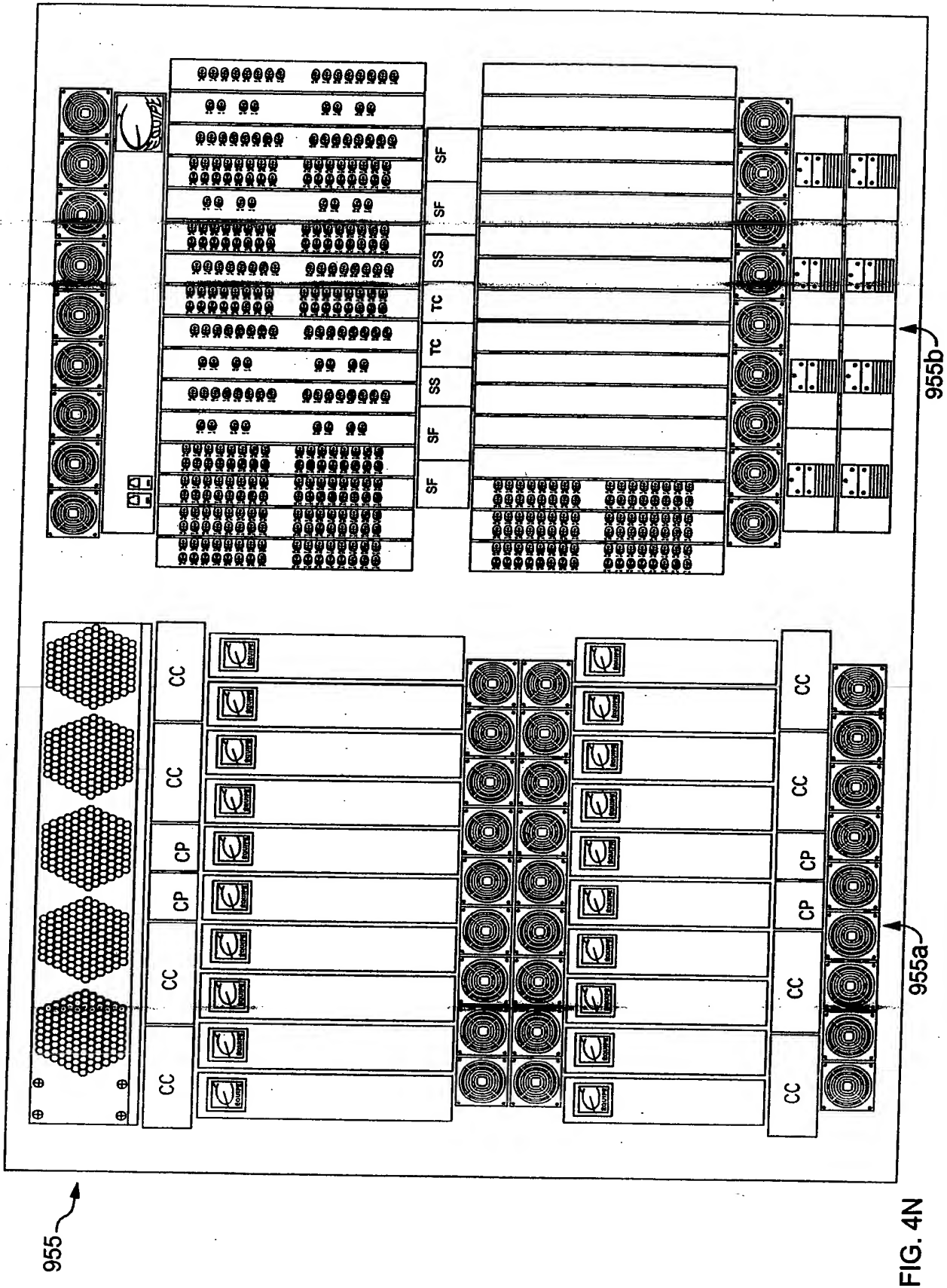
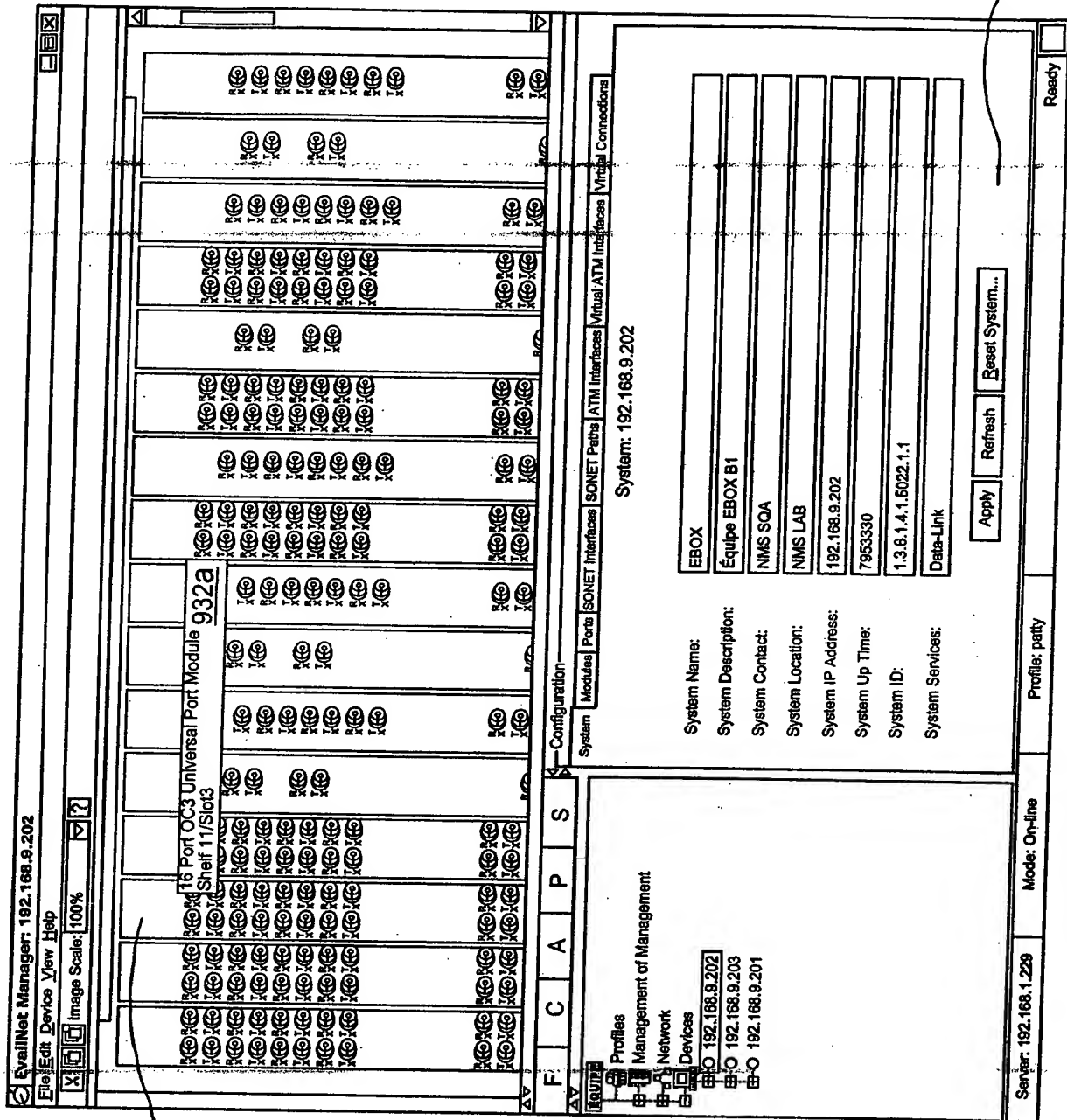


FIG. 4M





895

556e

EvailNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%

16 Port OC12 Universal Port Module 932b
Shelf 1/Slot4

System: 192.168.9.202

Configuration
System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

Server: 192.168.1.228 Mode: On-line Profiles: patty Ready

Equipment
Management of Management
Network
Devices
O 192.168.9.202
O 192.168.9.203
O 192.168.9.201

System Name: EBOX
System Description: Équipe EBOX B1
System Contact: NMS SOA
System Location: NMS LAB
System IP Address: 192.168.9.202
System Up Time: 7953330
System ID: 1.3.6.1.4.1.5022.1.1
System Services: Data-Link

Apply Refresh Reset System...

897

FIG. 4P

895

EvailNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

8 Port OC12 Universal Port Module

Shelf 11/Slot 6

Configuration

System Modules Ports SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

System: 192.168.9.202

System Name: EBOX

System Description: Equipe EBOX B1

System Contact: NIMS SQA

System Location: NIMS LAB

System IP Address: 192.168.9.202

System Up Time: 7953330

System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply Refresh Reset System...

Server: 192.168.1.229

Mode: On-line

Profile: patty

Ready

556C

897

FIG. 4R

895

EvallNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

OC-12

Shelf 11/Slot 4/Port 1

932e

F C A P S

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.202

Equipment

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

934a

934b

934c

934d

934e

934f

934g

934h

935a

935b

935c

935d

935e

935f

935g

935h

935i

935j

935k

935l

935m

935n

935o

935p

935q

935r

935s

935t

935u

935v

935w

935x

935y

935z

System Name:

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

935c

935a

935b

935d

935e

935f

935g

935h

935i

935j

935k

935l

935m

935n

935o

935p

935q

935r

935s

935t

935u

935v

935w

935x

935y

935z

Server: 192.168.1.229

Mode: On-line

Profile: paty

Ready

897

FIG. 4S

895

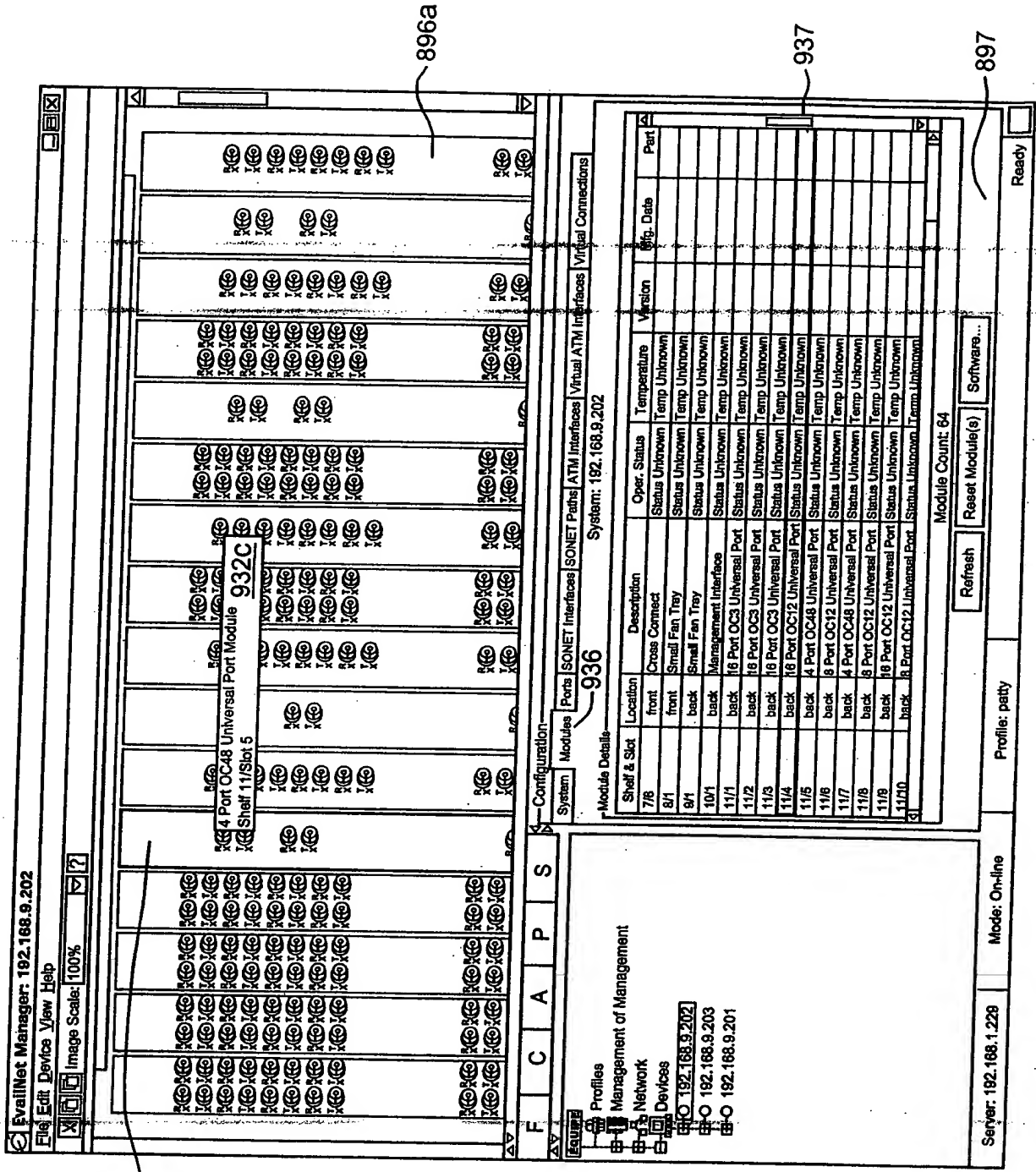


FIG. 4T

FIG. 4U

FIG. 4V

895

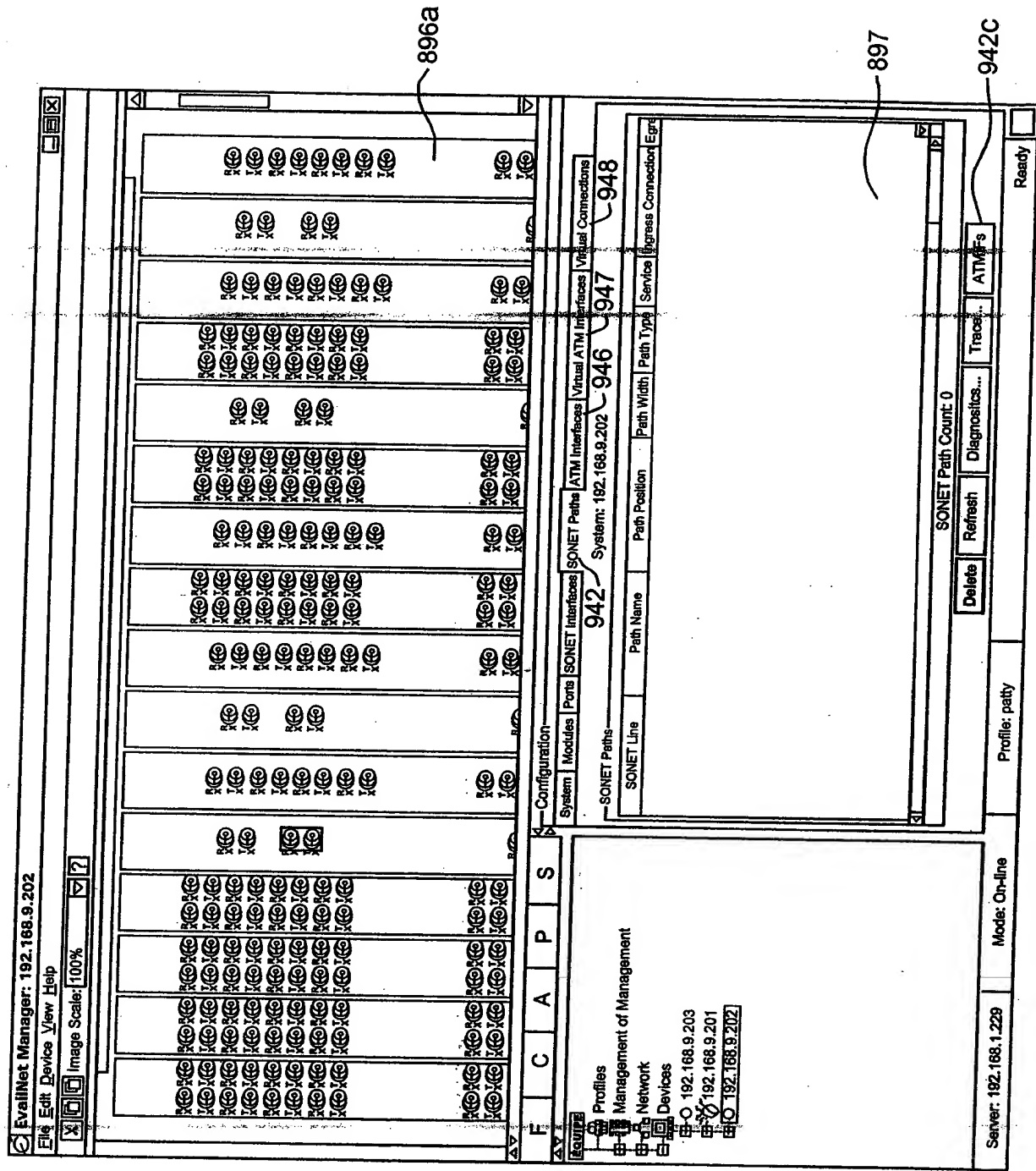


FIG. 4W

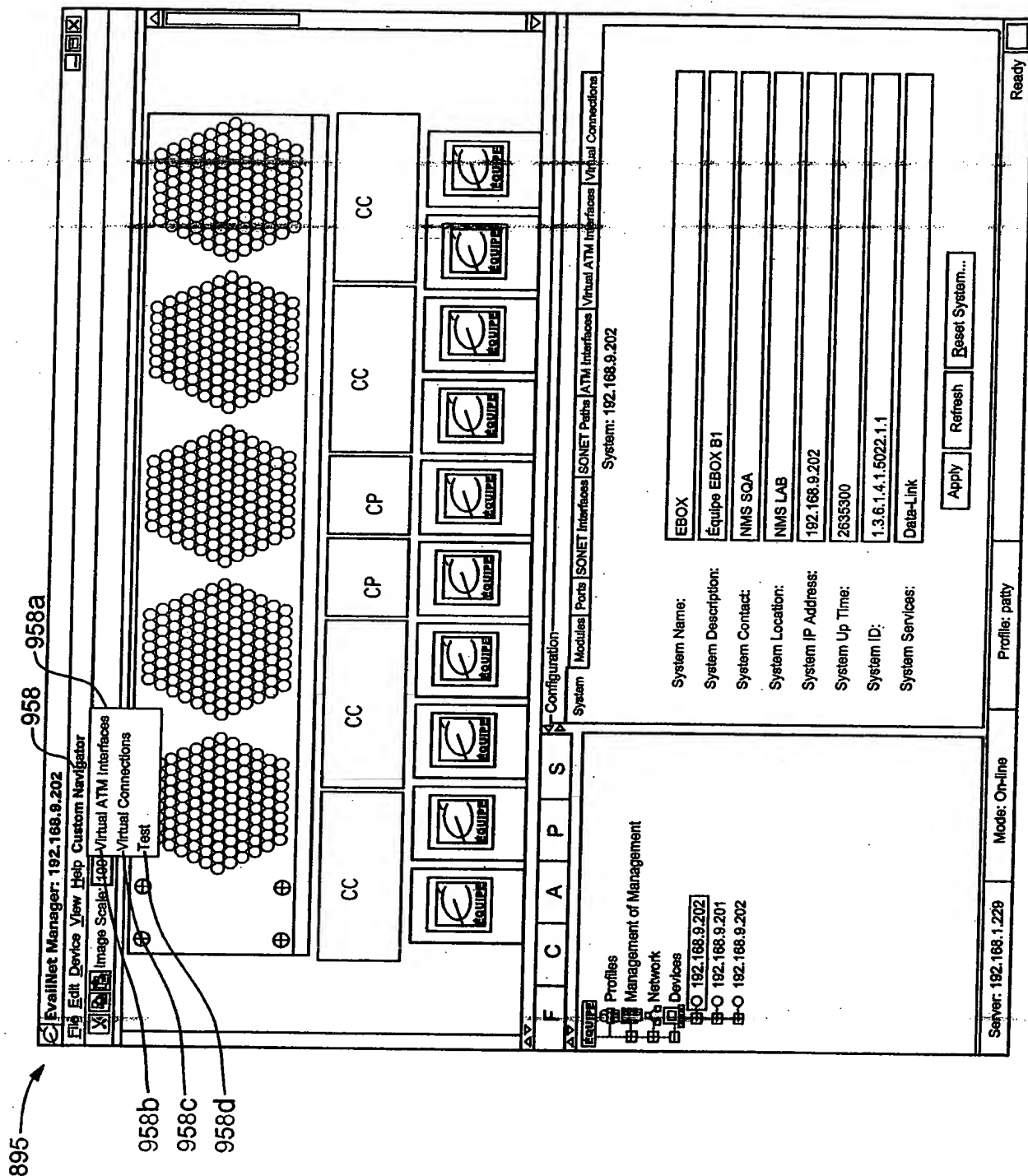


FIG. 4X

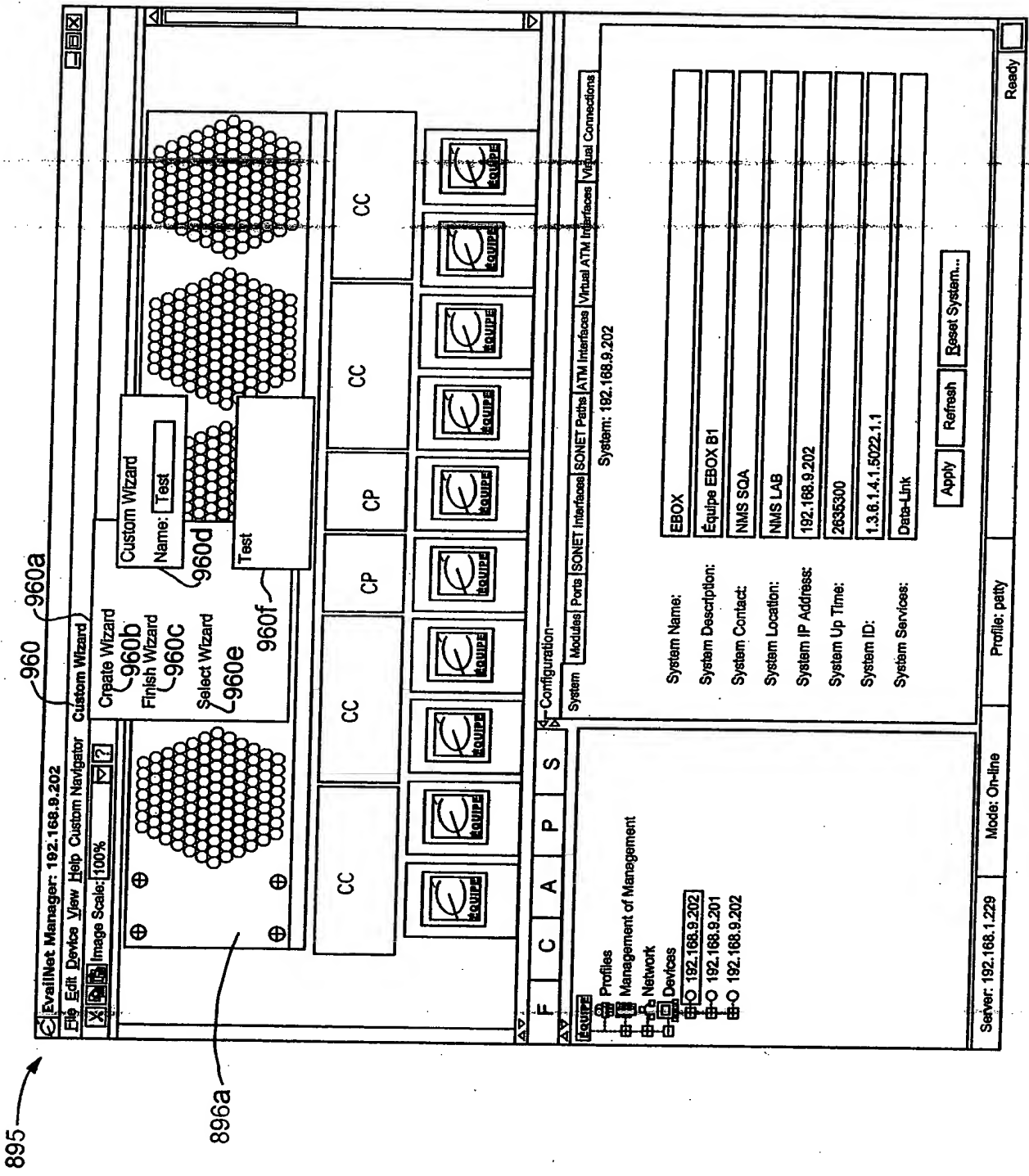


FIG. 4Y

961

EvailNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

Slot Port Type

961a

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4 STS-12c paths

961b

Next Cancel

FIG. 4Z

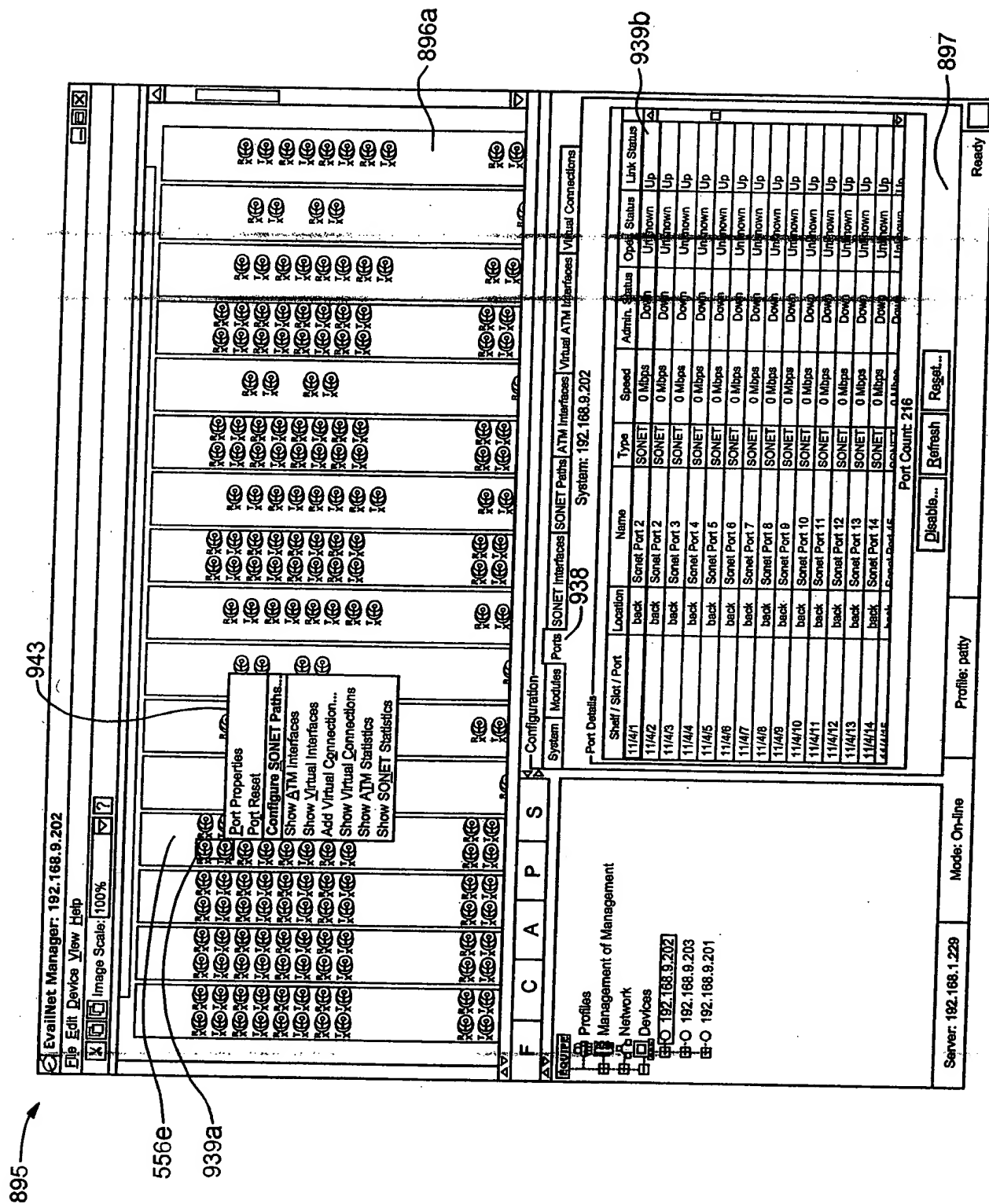


FIG. 5A

EvailNet Manager: SONET Path Configuration - 11/4/1

SONET Line

System: 192.168.9.202

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

paths

STS-3c

OK

Cancel

FIG. 5B

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

4

paths

STS-3c

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

1

Width

STS-12C

944b

944g

944p

944r

944f

944e

944q

OK

Cancel

FIG. 5C

FIG. 5D

FIG. 5D

EvaiiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒ Configure

☐ Custom Configuration

1

paths

STS-12c

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

OK

Cancel

FIG. 5E

FIG. 5F

FIG. 5F

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot
4
Port
1
Type
OC12

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
Shelf11/Sl...	Path1_11/...	1	3	2	1		
Shelf11/Sl...	Path2_11/...	4	3	2	1		

944p

Modify
Add
Delete

Graphical Representation

Position
Width

1
4

STS-3C
STS-3C

945a

945g

945k

945p

945r

945e

945f

945n

945

FIG. 5G

895

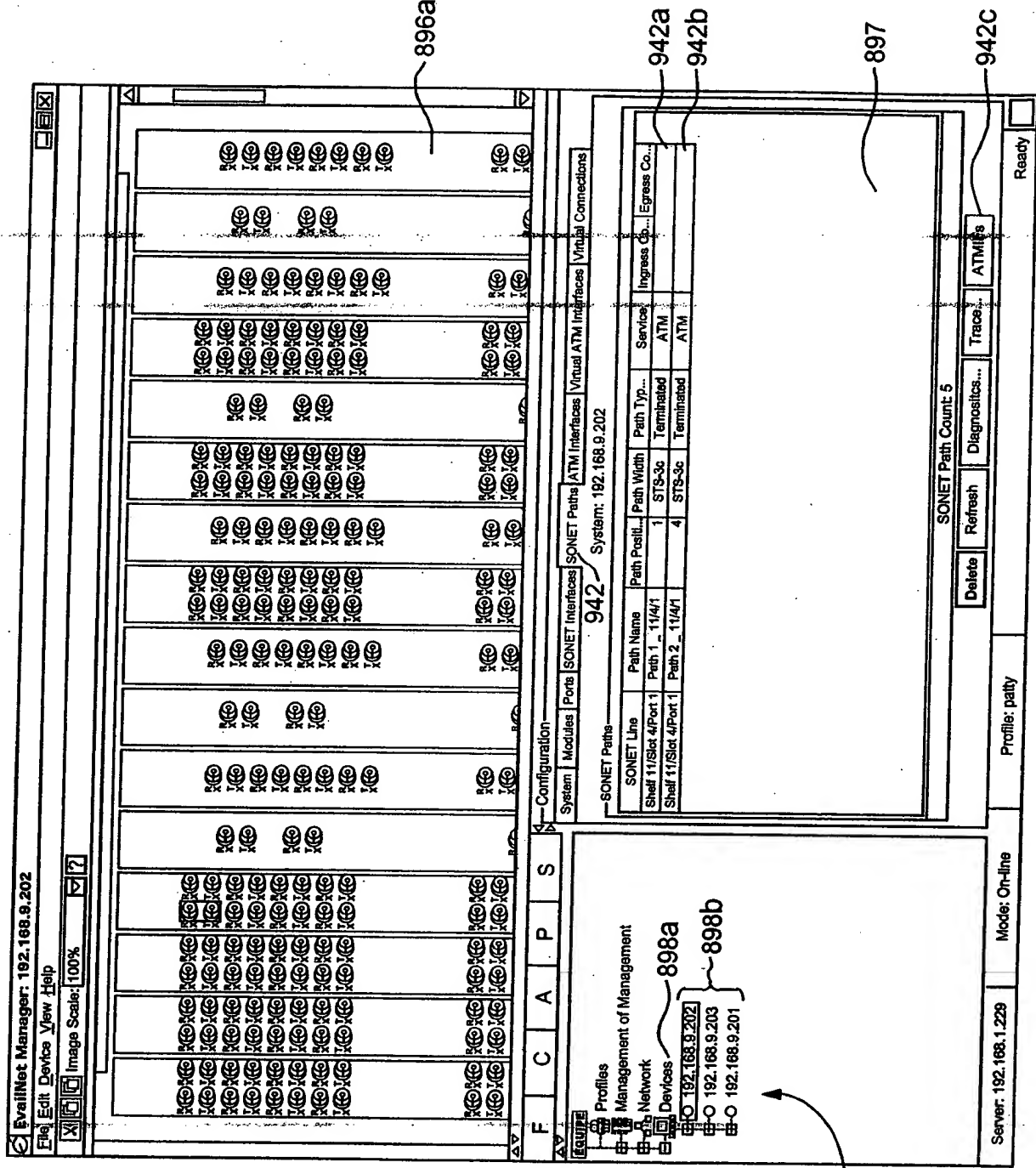
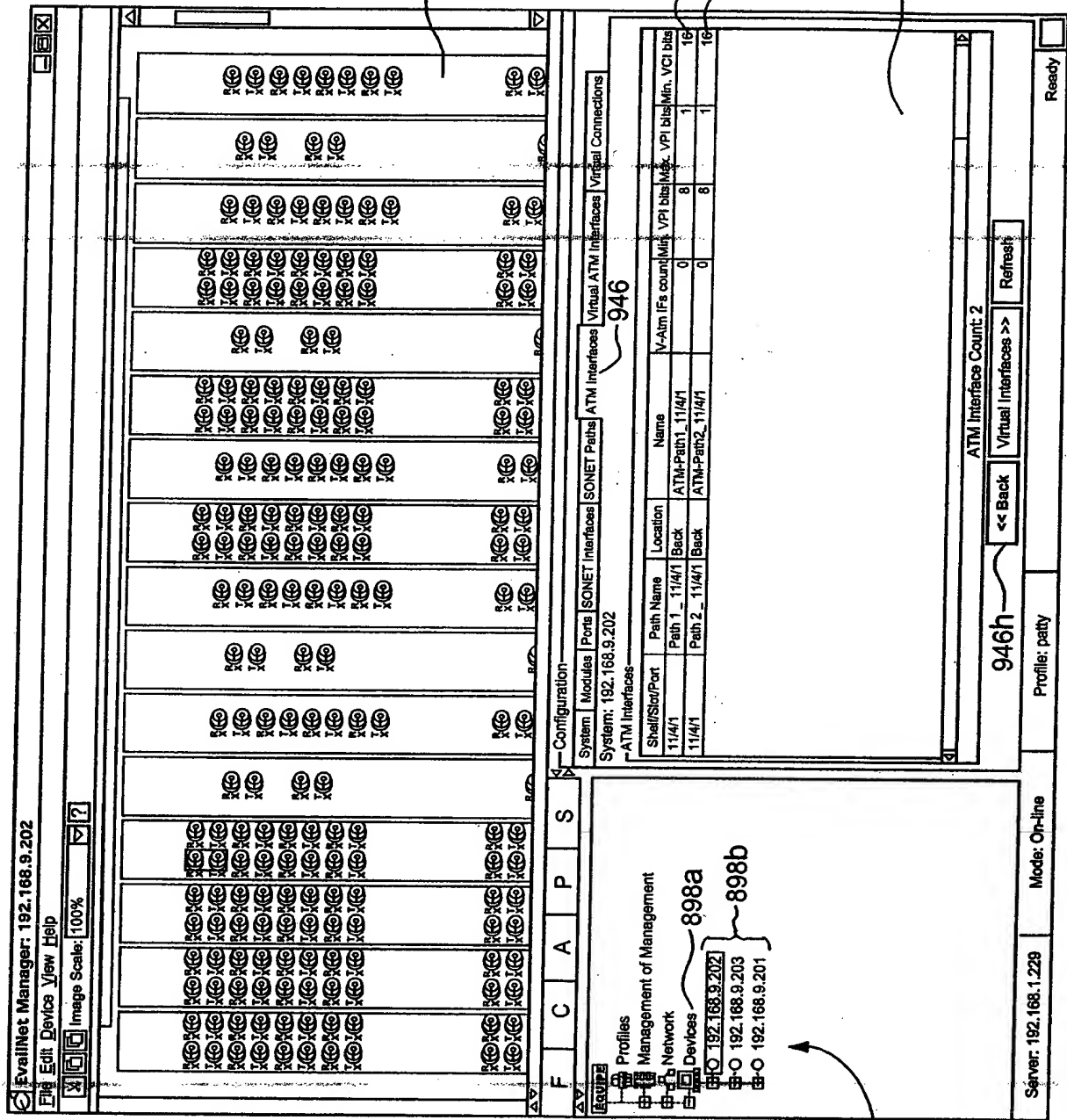


FIG. 5H



898

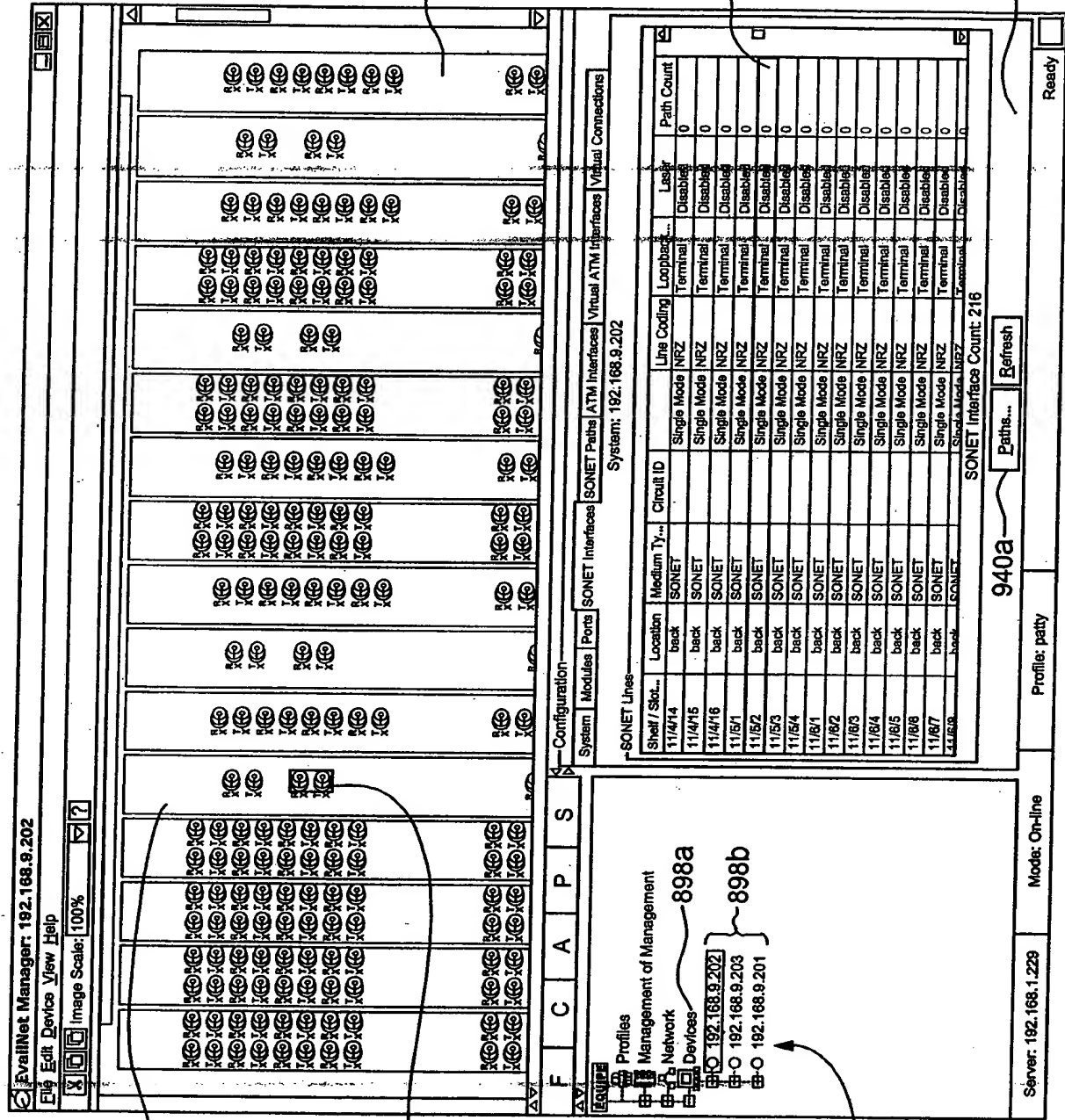


FIG. 5J

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

4

▽

STS-12c

▽

paths

☐ Custom Configuration

Ok

Cancel

FIG. 5K

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

▽

STS-12c

▽

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-48c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-48c

944r

OK

Cancel

944q

FIG. 5L

EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

Graphical Representation

Position

Width

1

13

25

37

STS-12c

STS-12c

STS-12c

STS-12c

SONET Path Wizard

Configure a single concatenated path (STS-48c)

4

STS-12c

paths

Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

OK

Cancel

FIG. 5M

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

Modify

OK Cancel

Graphical Representation

Position Width

1

FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

16

STS-3C

paths

Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM		
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM		
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM		
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM		
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM		
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM		
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM		

Graphical Representation

Position

1

4

7

10

13

16

19

22

25

28

31

34

37

40

43

45

Width

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

STS-3C

Modify

OK

Cancel

FIG. 50

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

16

paths

STS-3C

Functions

Available SONET Paths

STS-3C

STS-12C

944i

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3C

STS-3C

STS-3C

STS-3C

STS-12C

944j

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM		
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM		
11/5/2	Path3_11/...	7		Terminated	ATM		

Modify

OK

Cancel

Graphical Representation

Position	Width
1	STS-3C
4	STS-3C
7	STS-3
10	STS-3
22	STS-12C
34	STS-12C

FIG. 5P

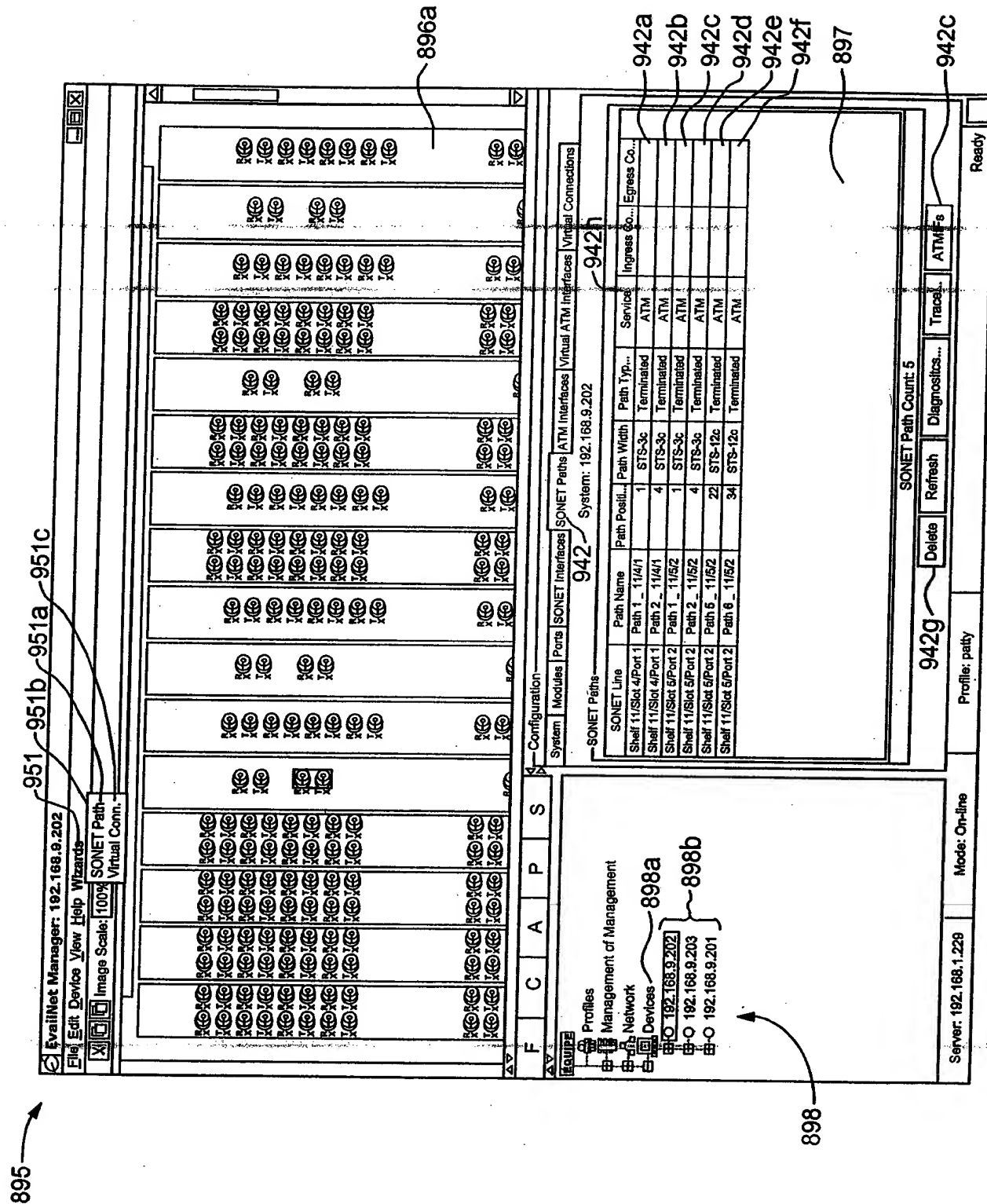


FIG. 5Q

FIG. 5R

950

Add V-ATM Interface - 192.168.9.202 [X]

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

☐ Virtual ATM Interface Parameters

Name	test1
Connection Type	Direct Link
Version	UNI Network 3.1
Admin Status	Up

950d 950a 950b 950c

OK Cancel

950e

FIG. 5T

895

EvalNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%

System: 192.168.9.202

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

192.168.9.202
Shelf 11
Slot 1
Slot 2
Slot 3
Slot 4
Port 1
ATM-Path1_11/4
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8
Port 9

947a

947b

947C

Profiles
Management of Management
Network
Devices
192.168.9.202

Name	Type	Version	Admin. Status	PVC Count	Sign
test1	Direct Link	UNI Network 3.1	Up	0	End

<<back Add... Delete... Refresh Virtual Connections>>

Server: 192.168.1.229 Mode: On-line Profile: petty Ready

FIG. 5U

895

EvalNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%

556d 941a

Port Properties... 943
Port Reset...
Configure SONET Paths...
Show ATM Interfaces
Show Virtual Interfaces
Add Virtual Connection...
Show Virtual Connections
Show ATM Statistics
Show SONET Statistics

System: 192.168.9.202
192.168.9.202
Shelf 11
Slot 1
Slot 2
Slot 3
Slot 4
Slot 5
Port 1
Port 2
ATM-Path1_11/
ATM-Path2_11/
ATM-Path5_11/
ATM-Path5_11/
Port 3
Port 4
Slot 6
Slot 7
Slot 8
Slot 9

947a 947b 947c 947d

Name	Type	Version	Admin. Status	PVC Count	Sign	End
test3	Direct Link	UNI Network 3.1	Up	0		

<<back Add... Delete... Refresh Virtual Connections>>

Server: 192.168.1.229 Mode: On-line Profile: paty Ready

FIG. 5V

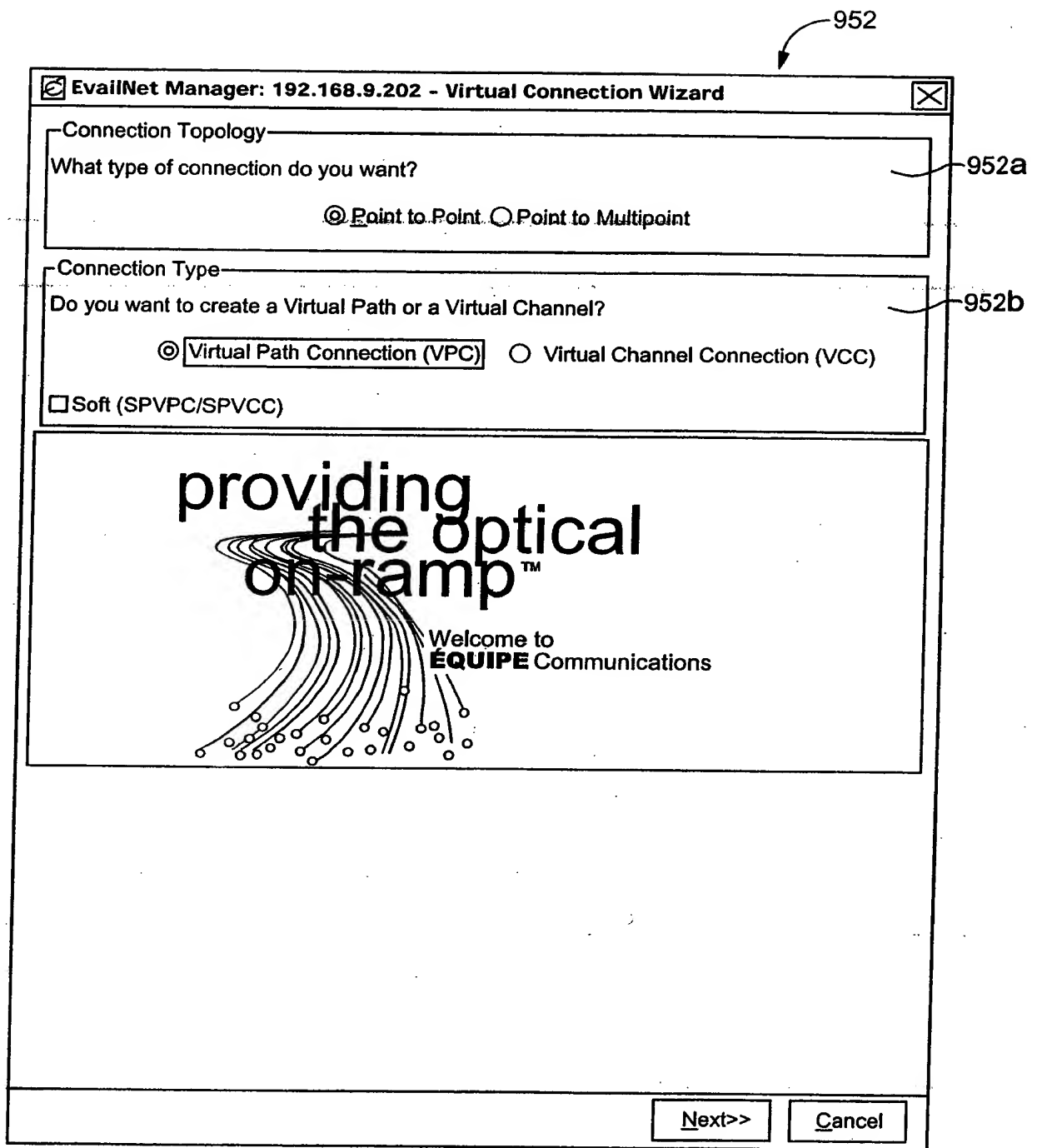


FIG. 5W

953

Source: 192.168.9.202
Destination: 192.168.9.202

953a End Point 1

Slot 4

Port 1

- o ATM-Path1_11/4/1
- o ATM-Path2_11/4/1
- o test1
- o test2

Port 2

Port 3

Port 4

953b

End Point 1

Slot 3

Slot 4

Slot 5

Port 1

Port 2

- o ATM-Path1_11/5/2
- o test3
- o ATM-Path2_11/5/2
- o ATM-Path5_11/5/2

953c

953d

953e Connection Parameters

Connection Name:

Admin Status: 953h

Customer Name:

953f End Point 1 Parameters:

VPI: ☒ Use Any VPI Value 953k

VCI: ☐ Use Any VCI Value 953o

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

953g End Point 2 Parameters:

VPI: ☒ Use Any VPI Value 953l

VCI: ☐ Use Any VCI Value 953p

Transmit Traffic Descriptor:

Receive Traffic Descriptor: 953r

☐ Use the same Traffic Descriptor for both Transmit and Receive 953u 953w 953v

FIG. 5X

956

**NEW TRAFFIC
DESCRIPTOR**

NAME:

QoS CLASS:

▼

TYPE:

▼

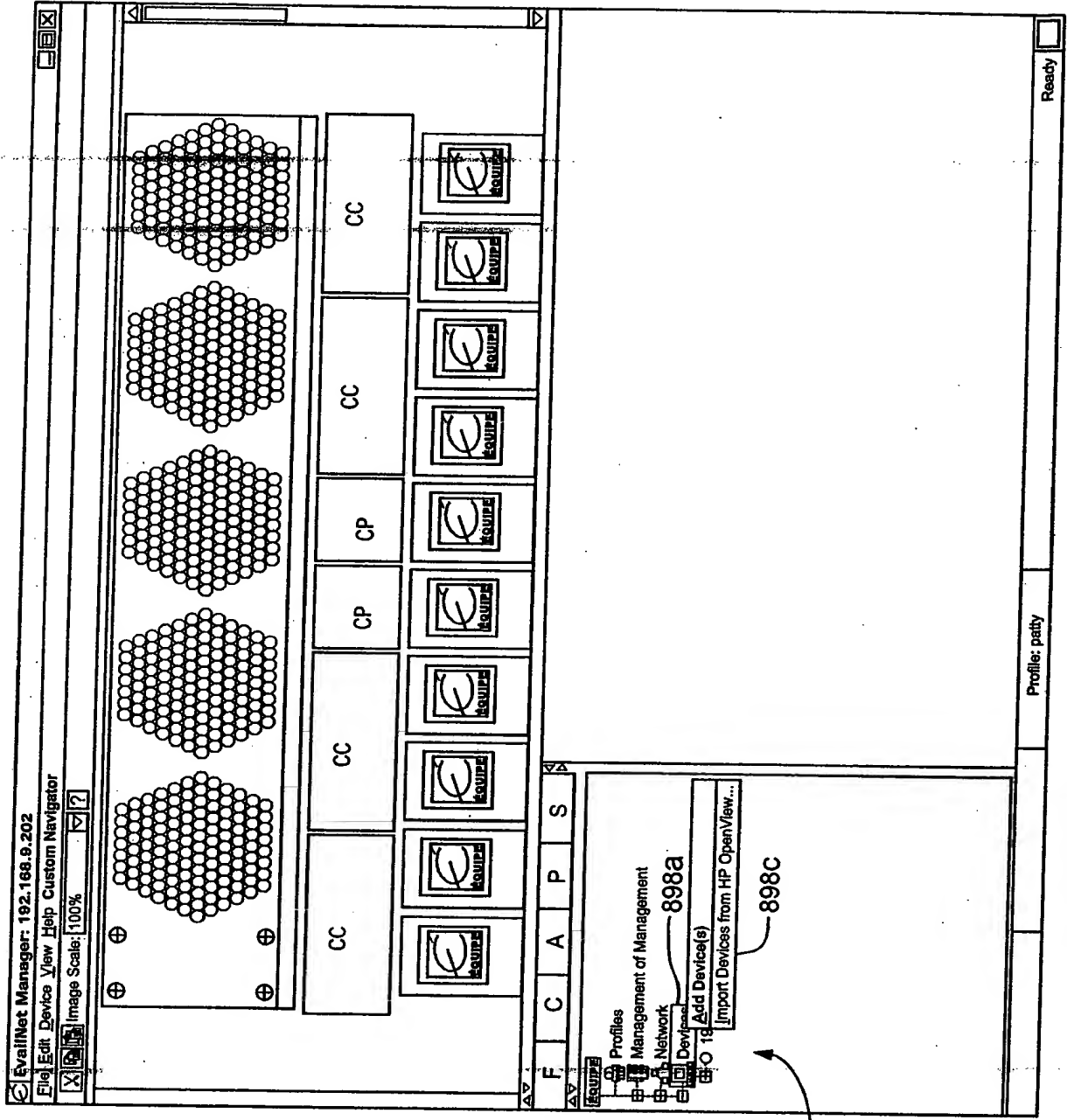
OK

CANCEL

FIG. 5Y

FIG. 5Z

895



898

FIG. 6A

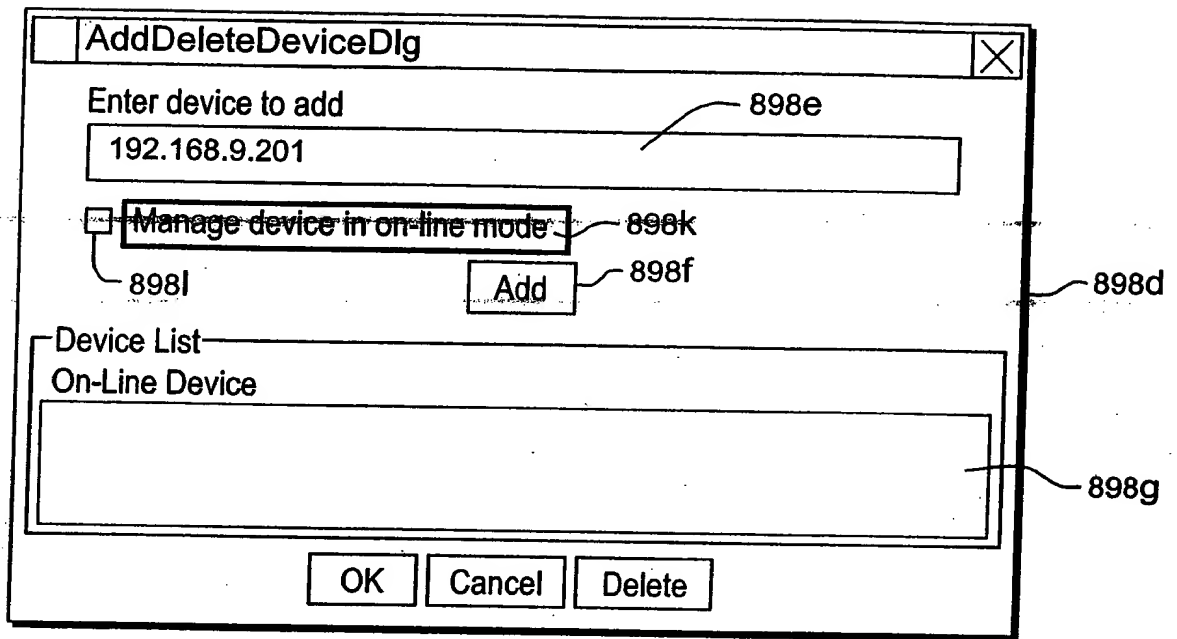


FIG. 6B

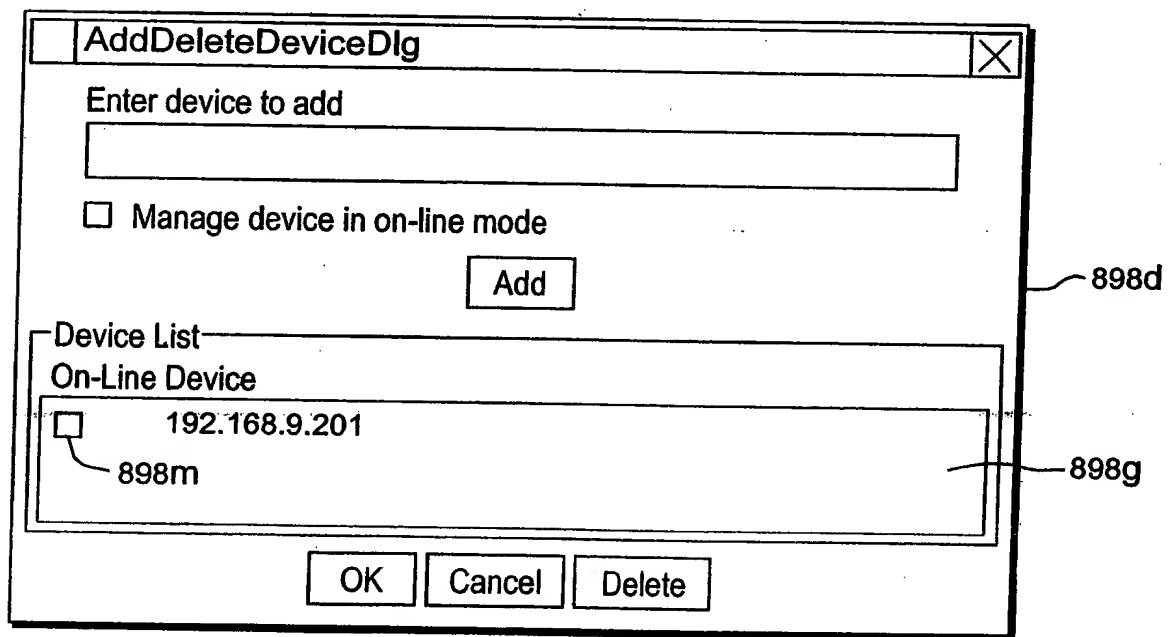


FIG. 6C

895

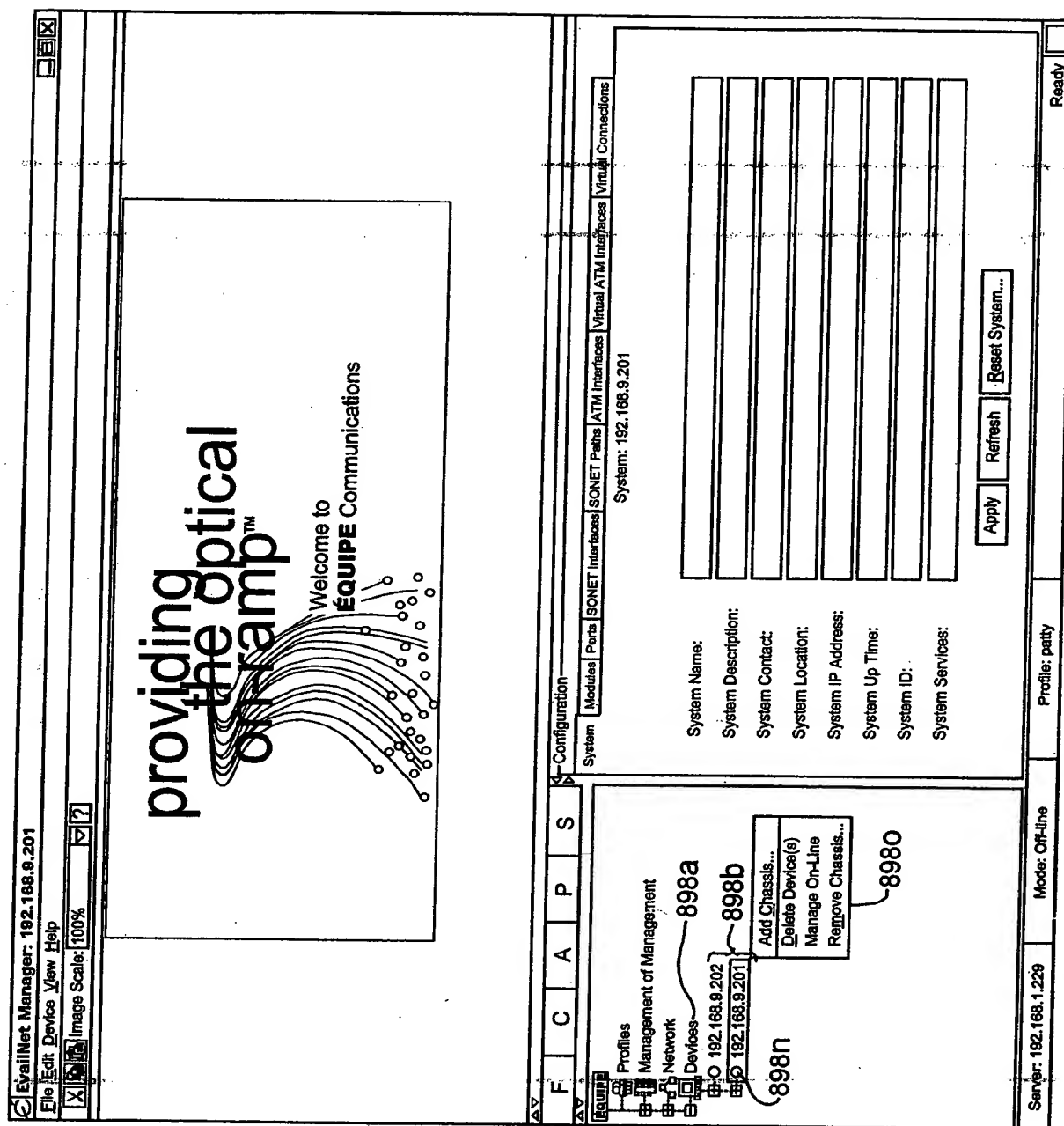


FIG. 6D

895

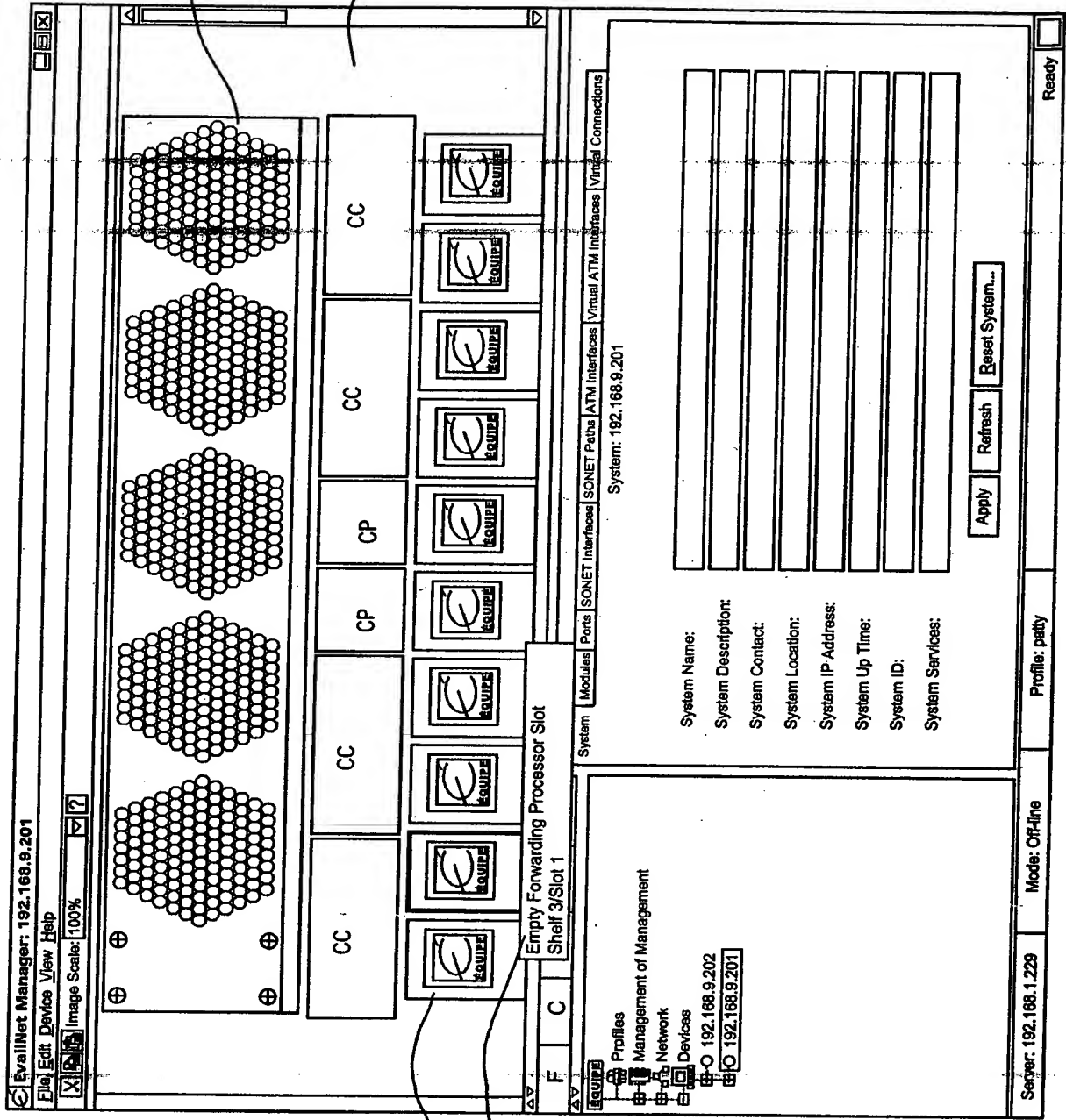
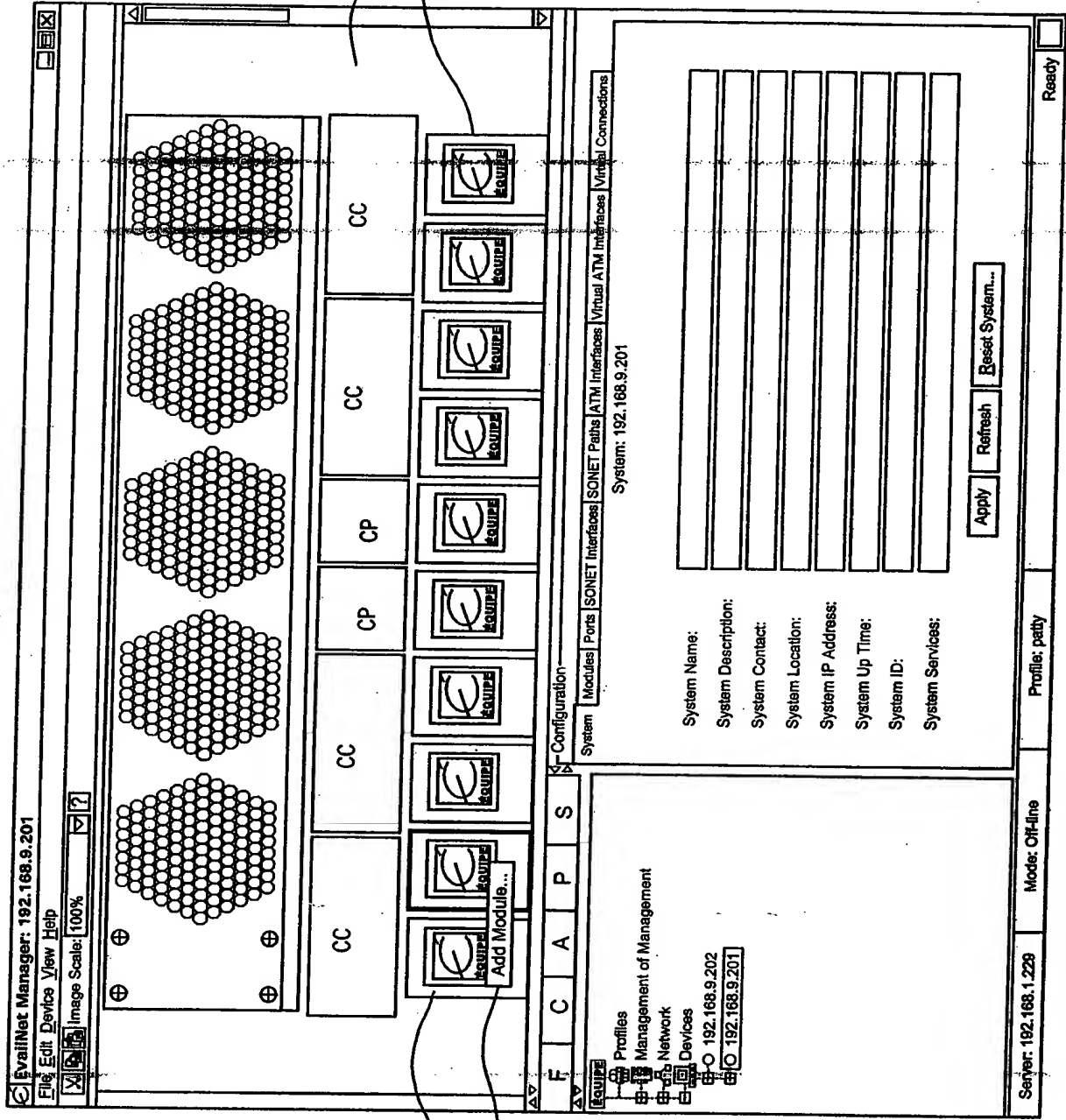


FIG. 6E

895



896C

896E

896b

896a

FIG. 6F

895

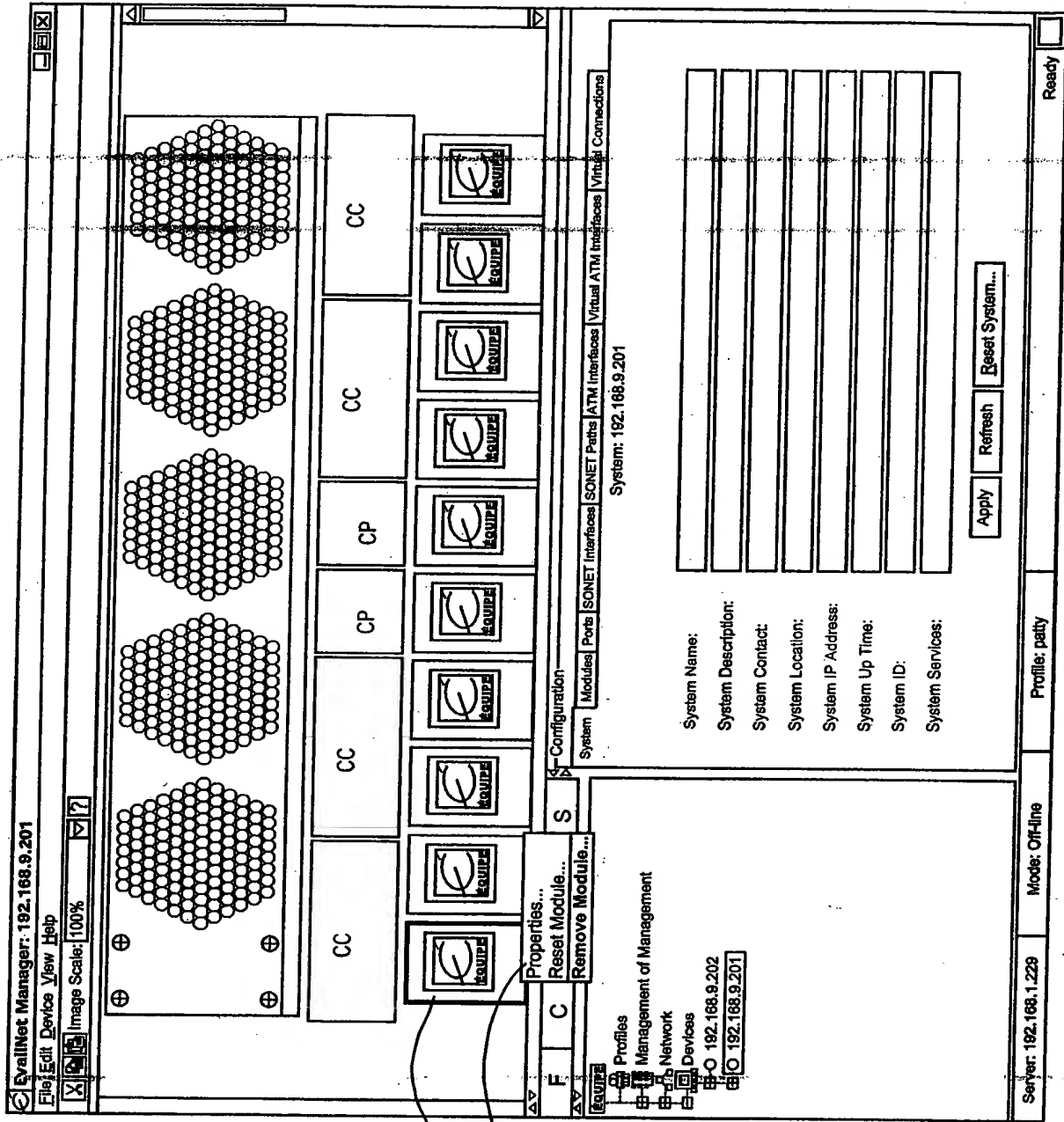
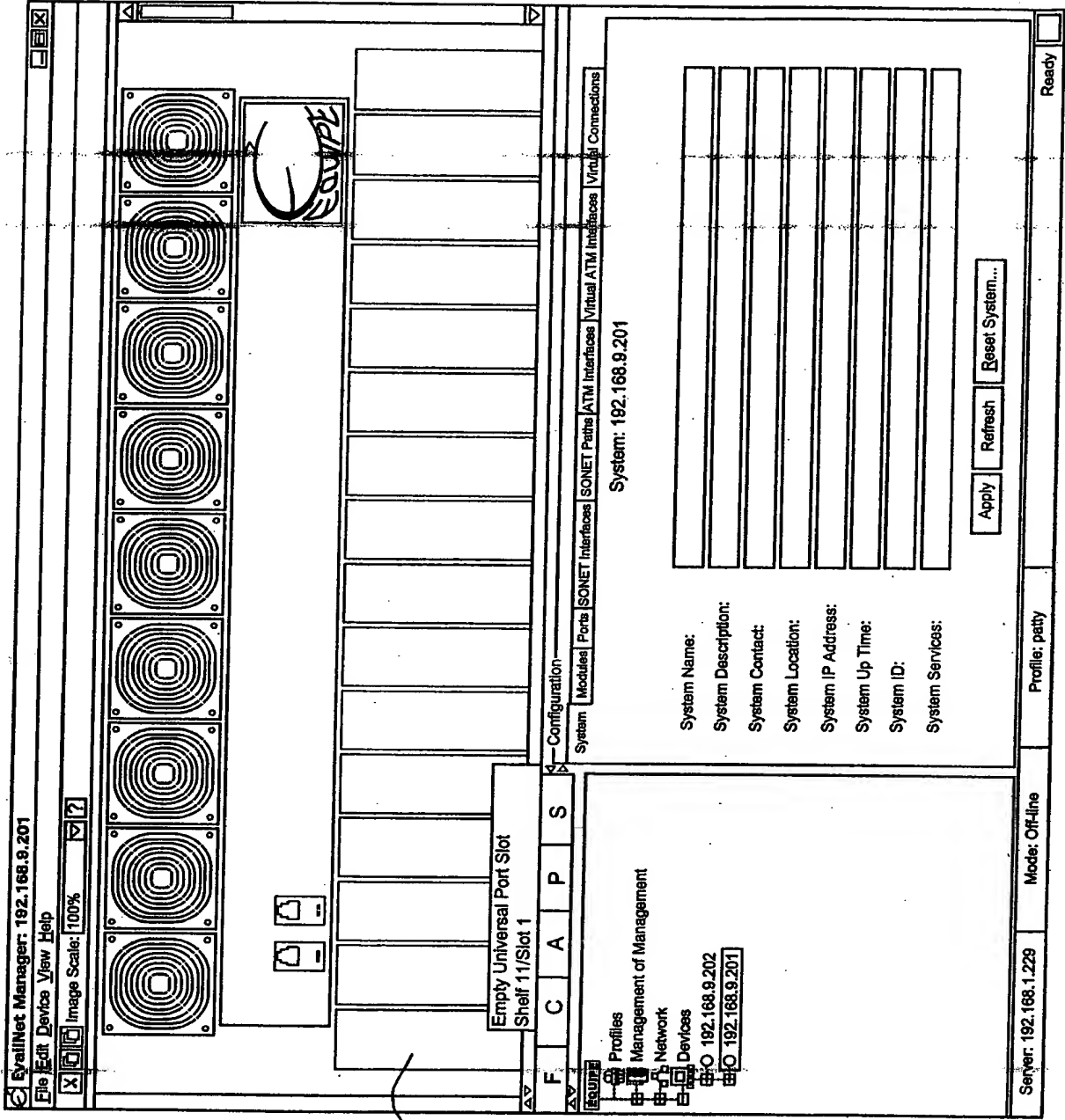


FIG. 6G

895



896f

FIG. 6H

895

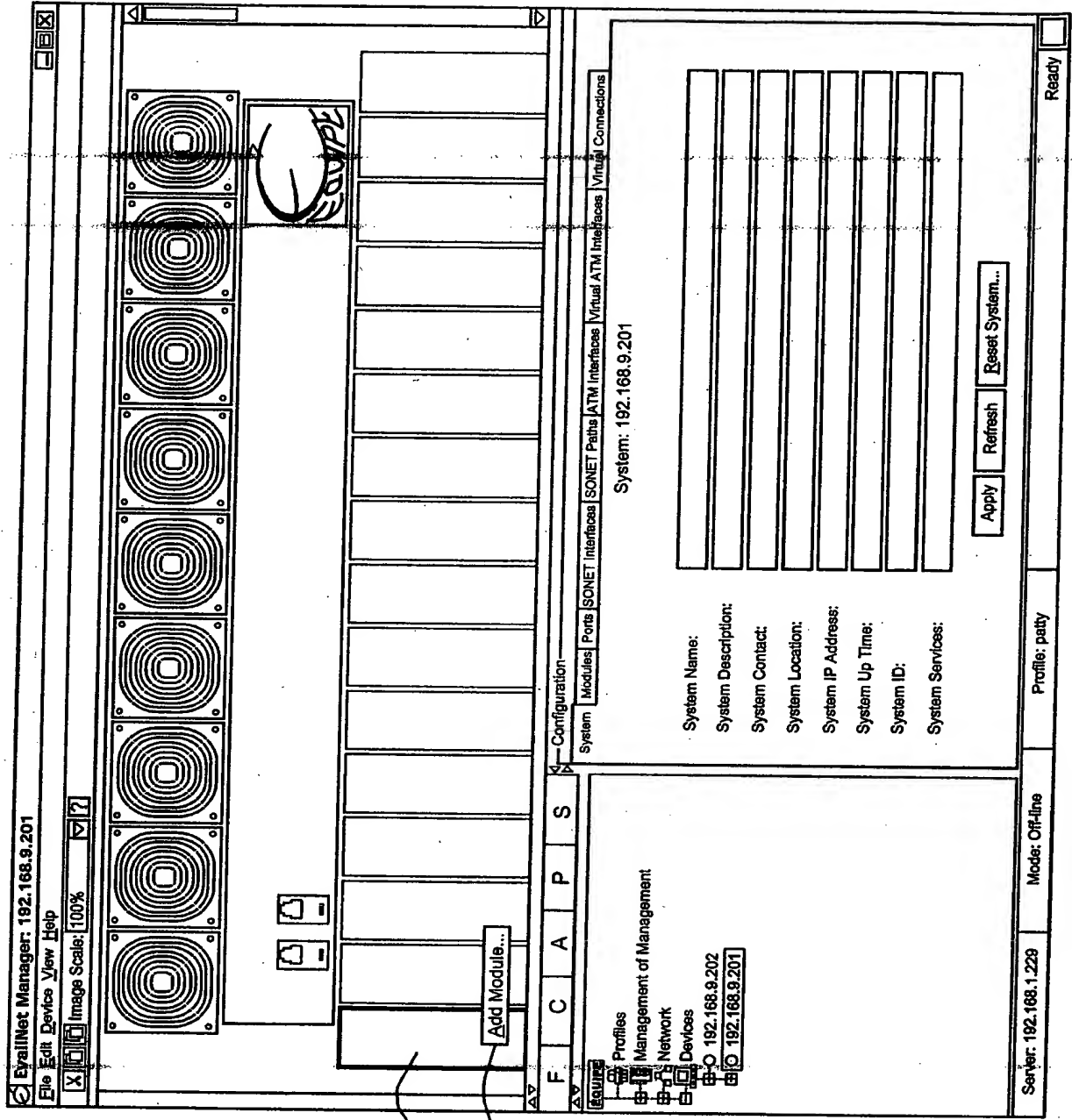


FIG. 6I

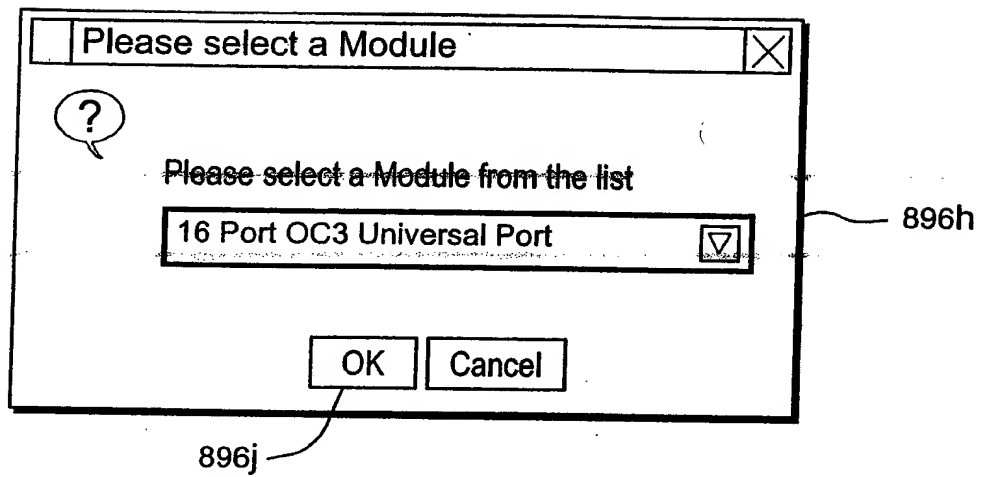


FIG. 6J

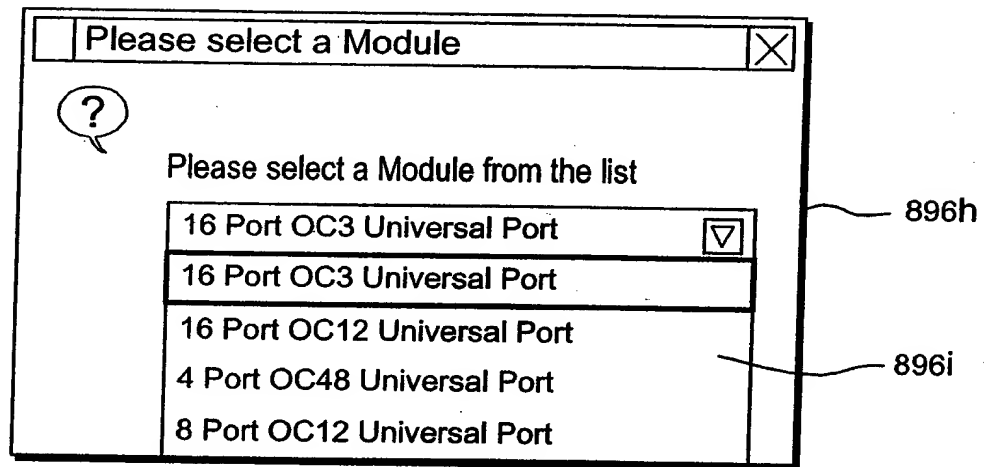
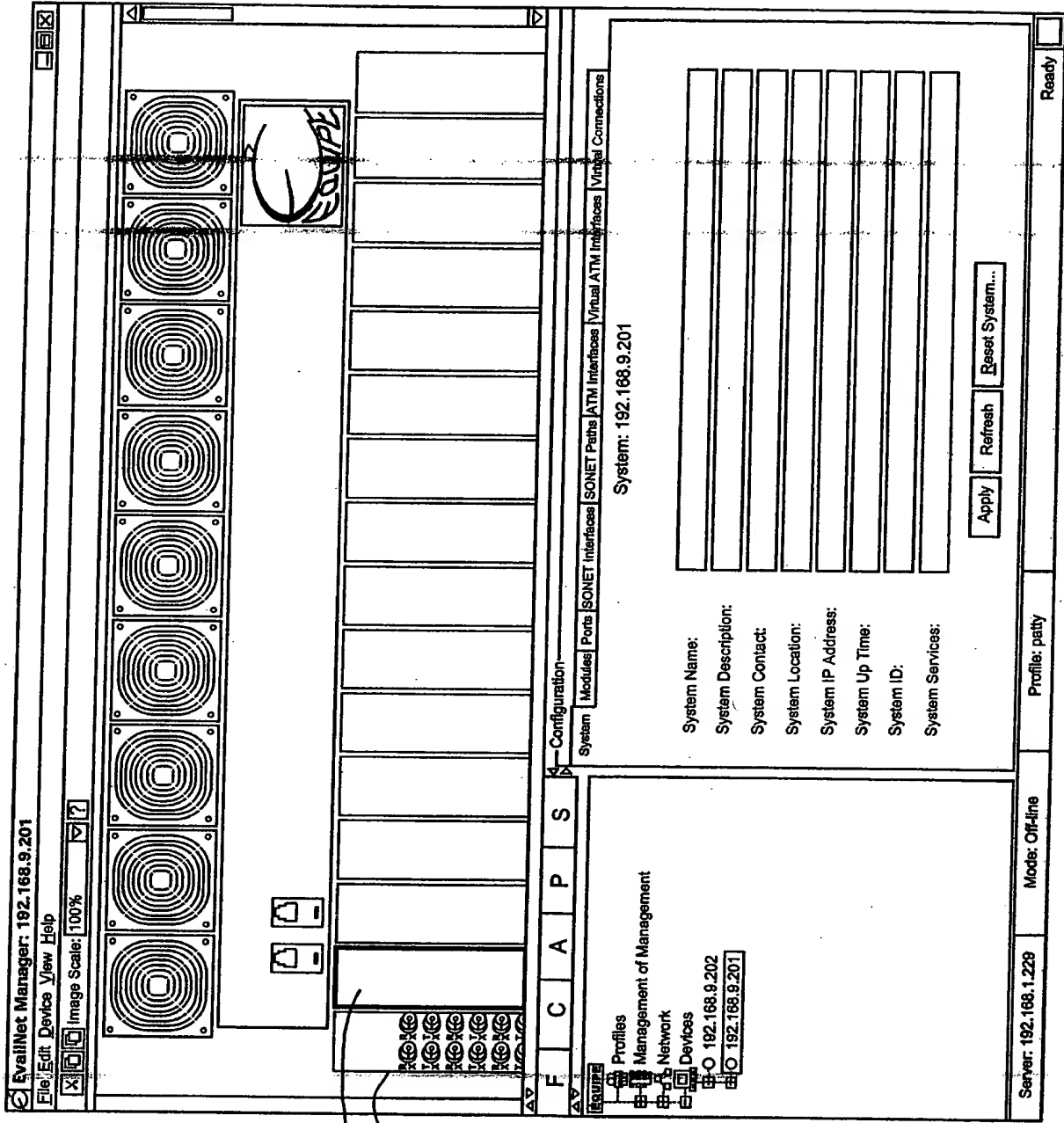


FIG. 6K

895



556i

556h

FIG. 6L

895

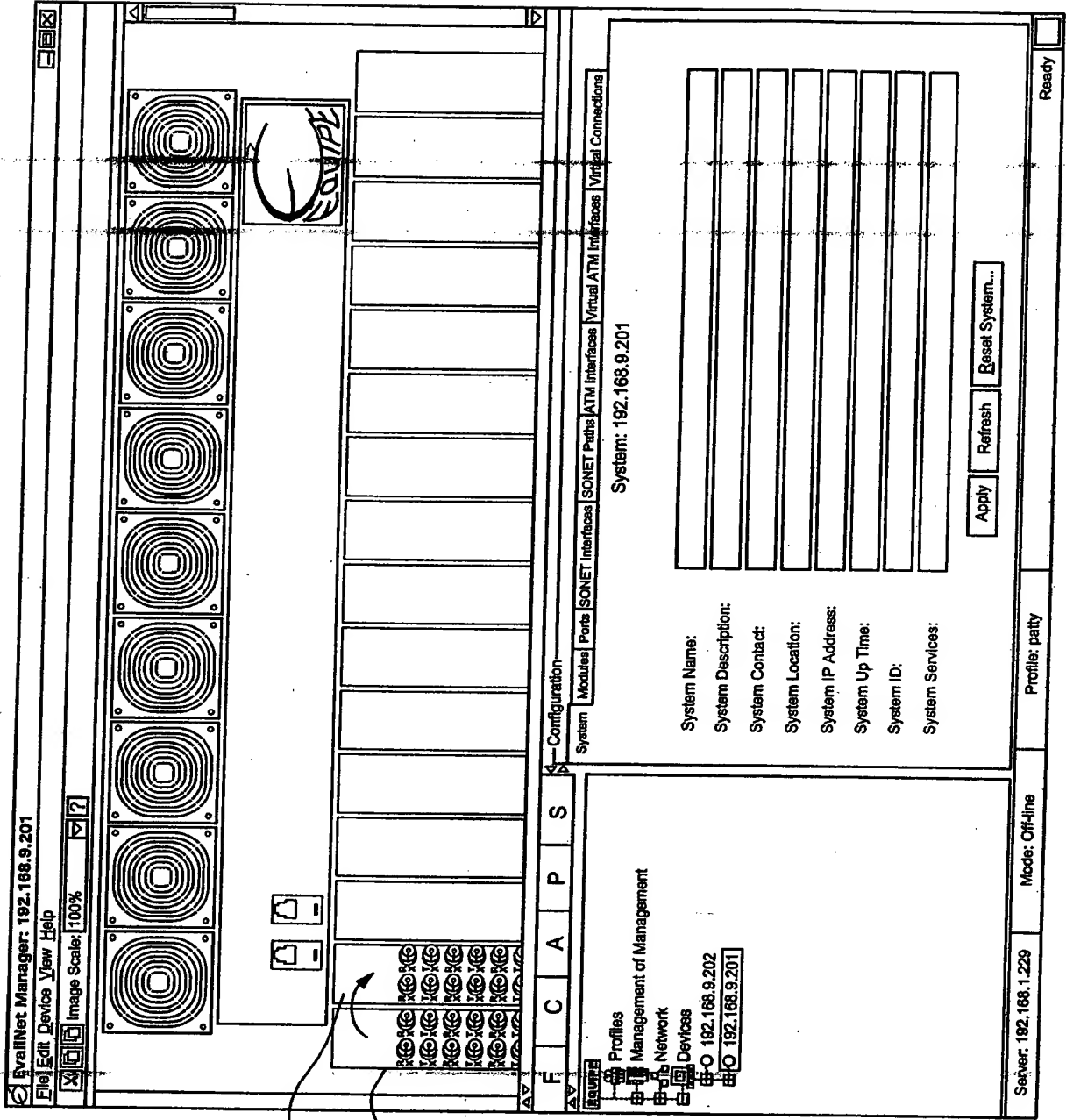


FIG. 6M

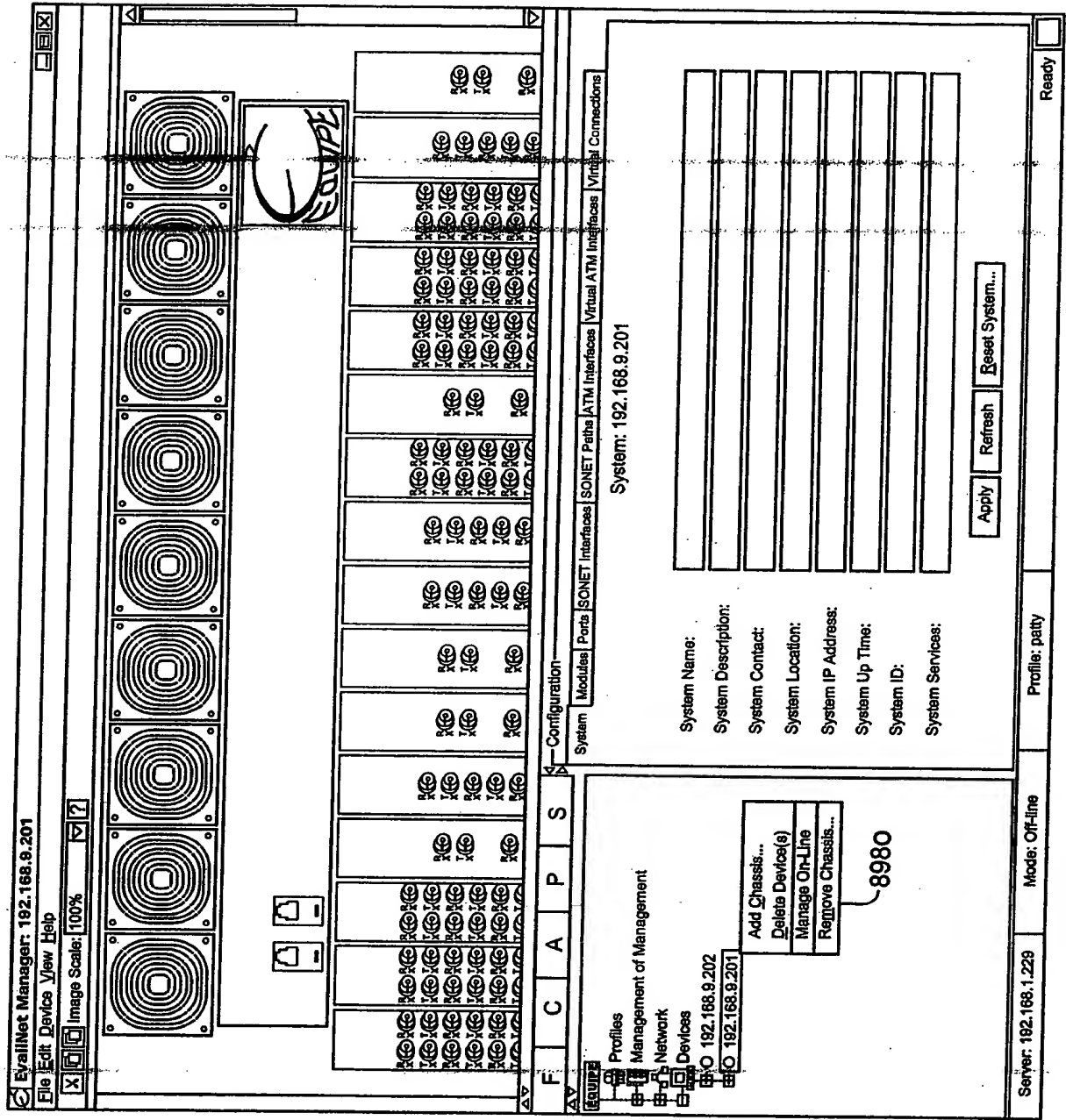


FIG. 6N

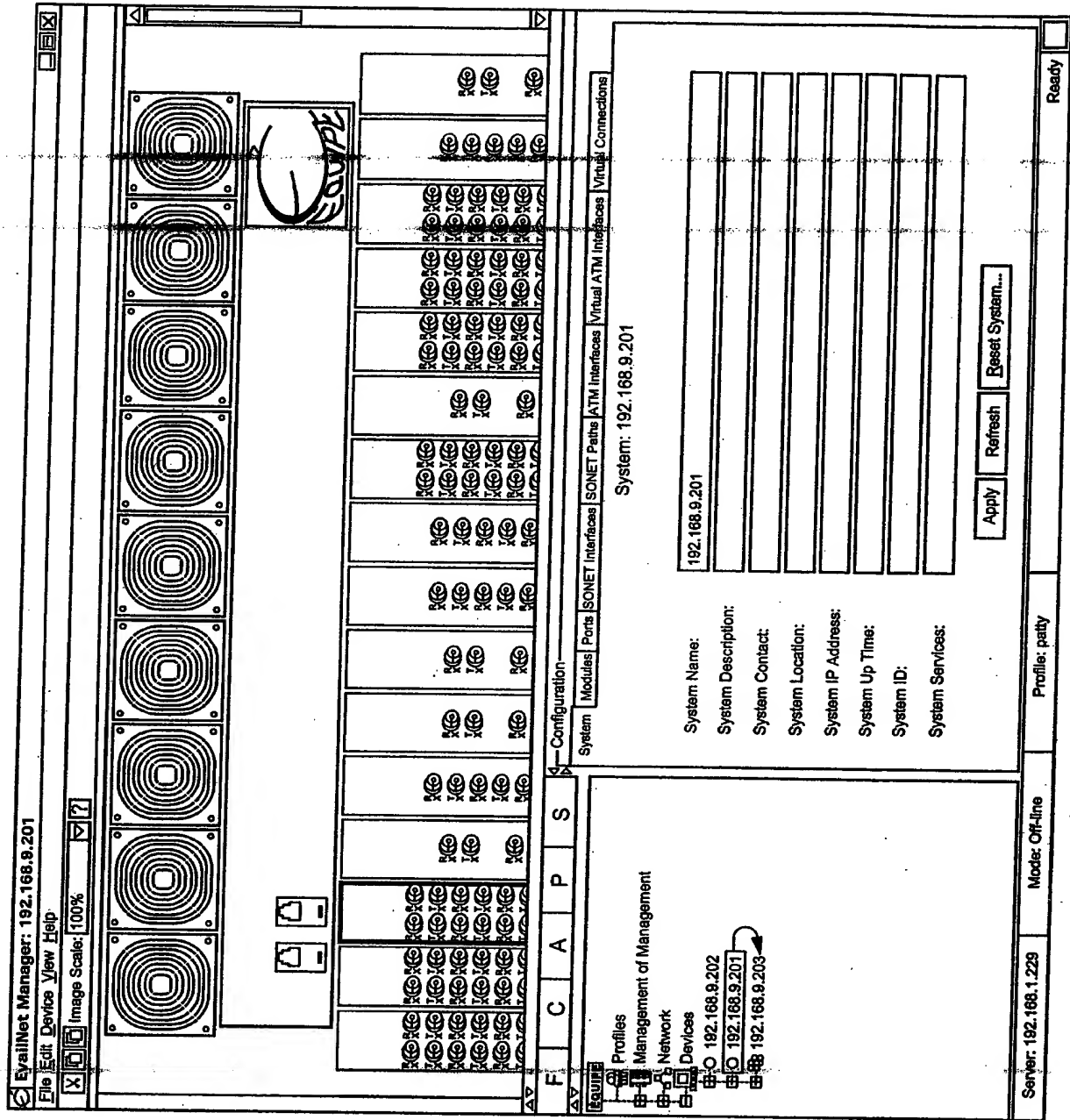


FIG. 60

895

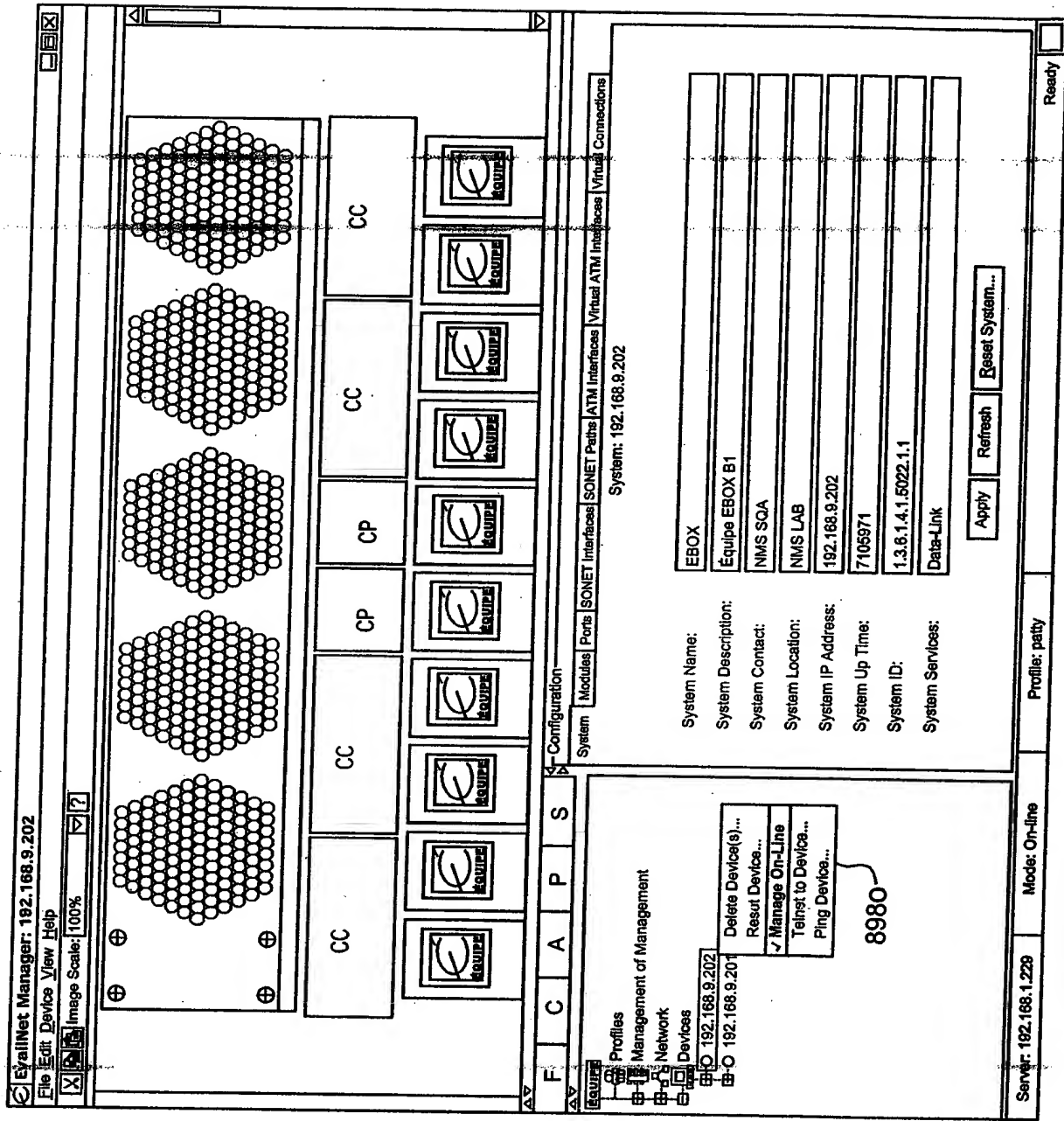


FIG. 6P

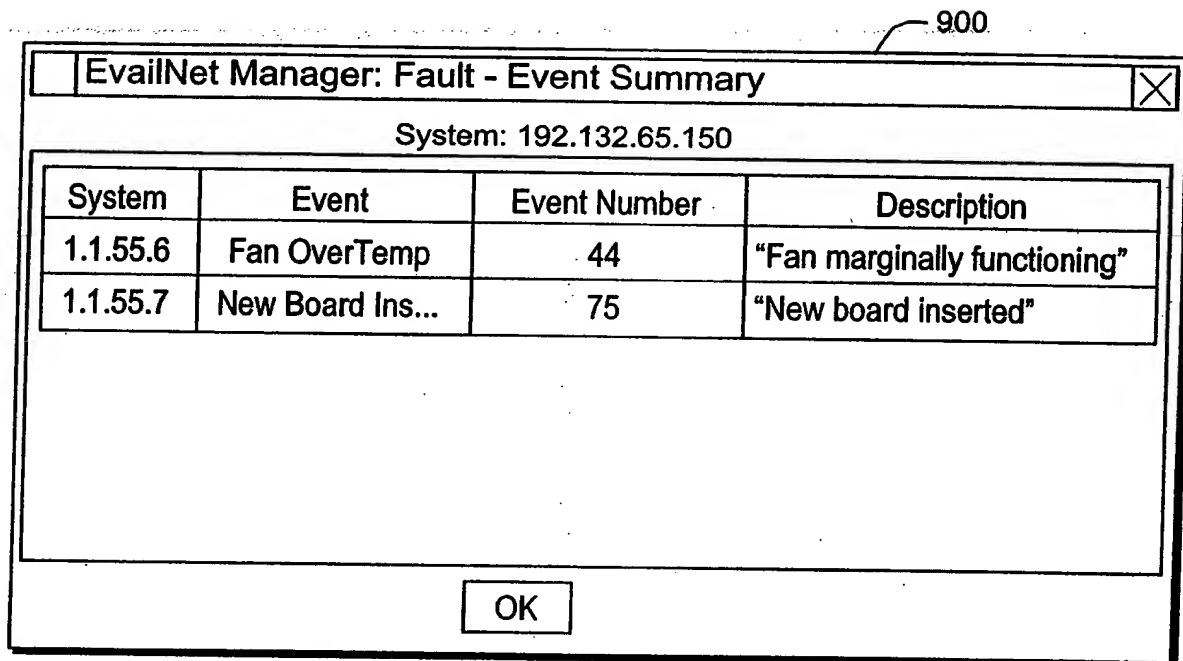


FIG. 7B

[illegible]

FIG. 7C

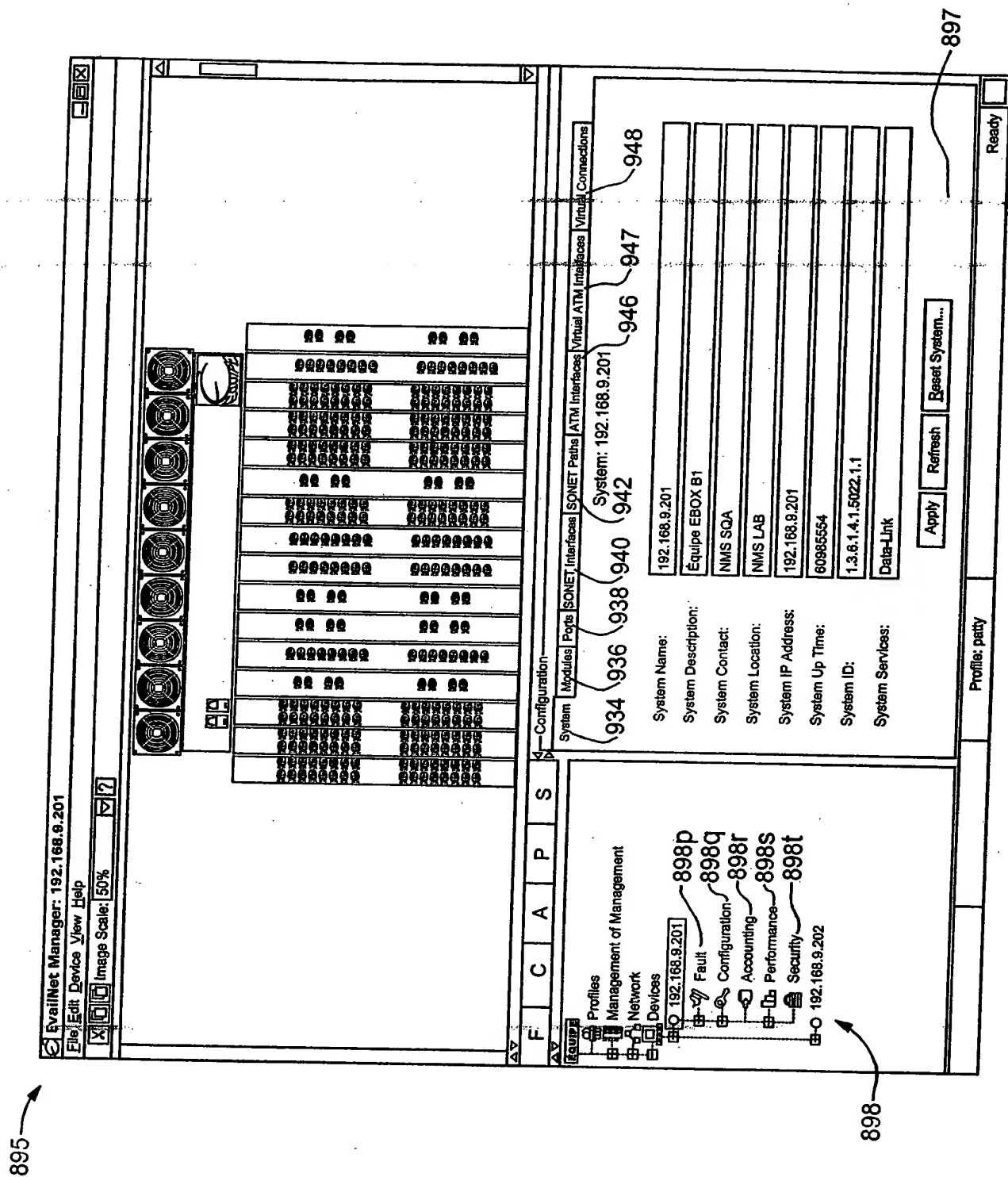


FIG. 7D

895

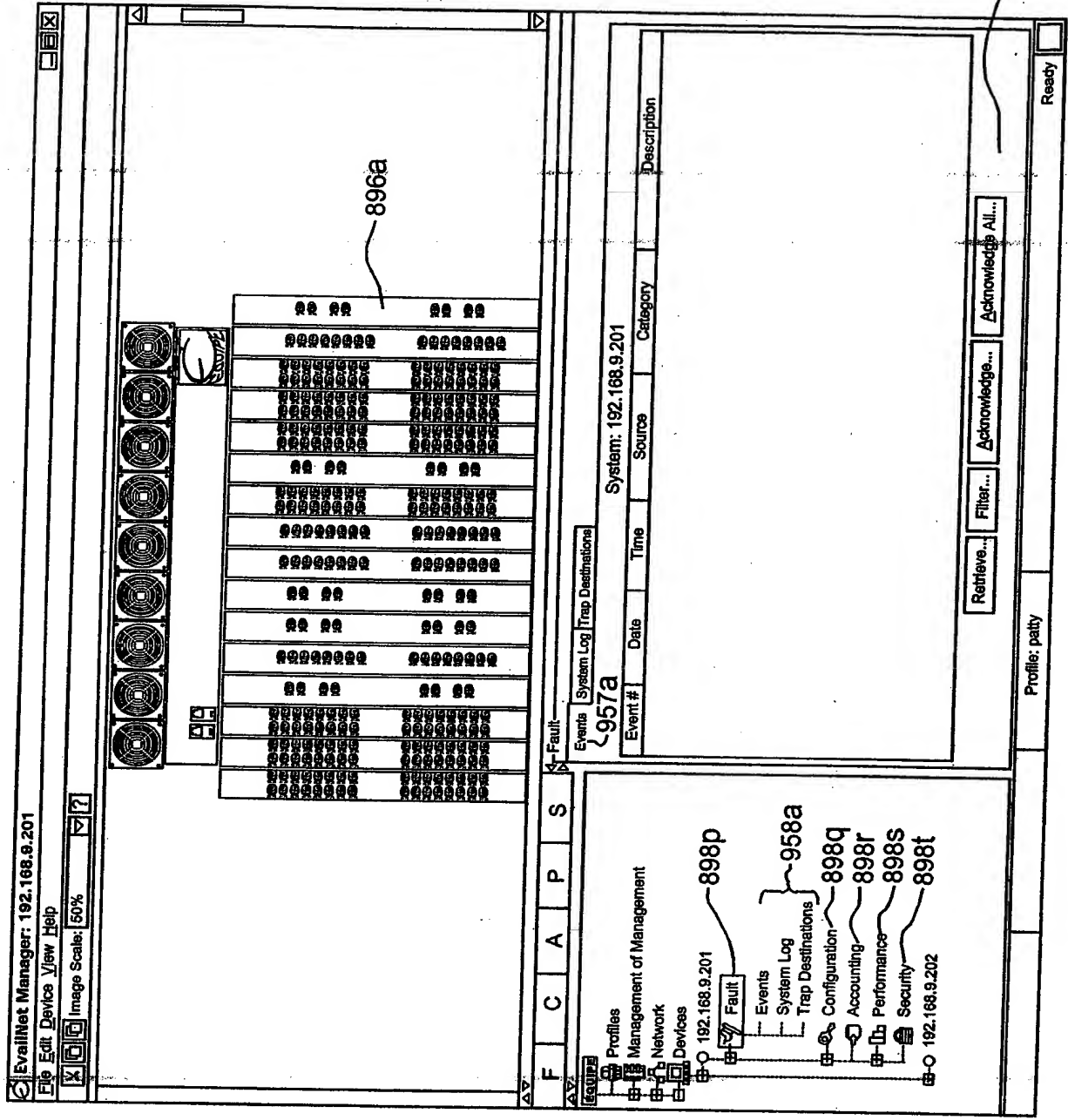


FIG. 7E

895

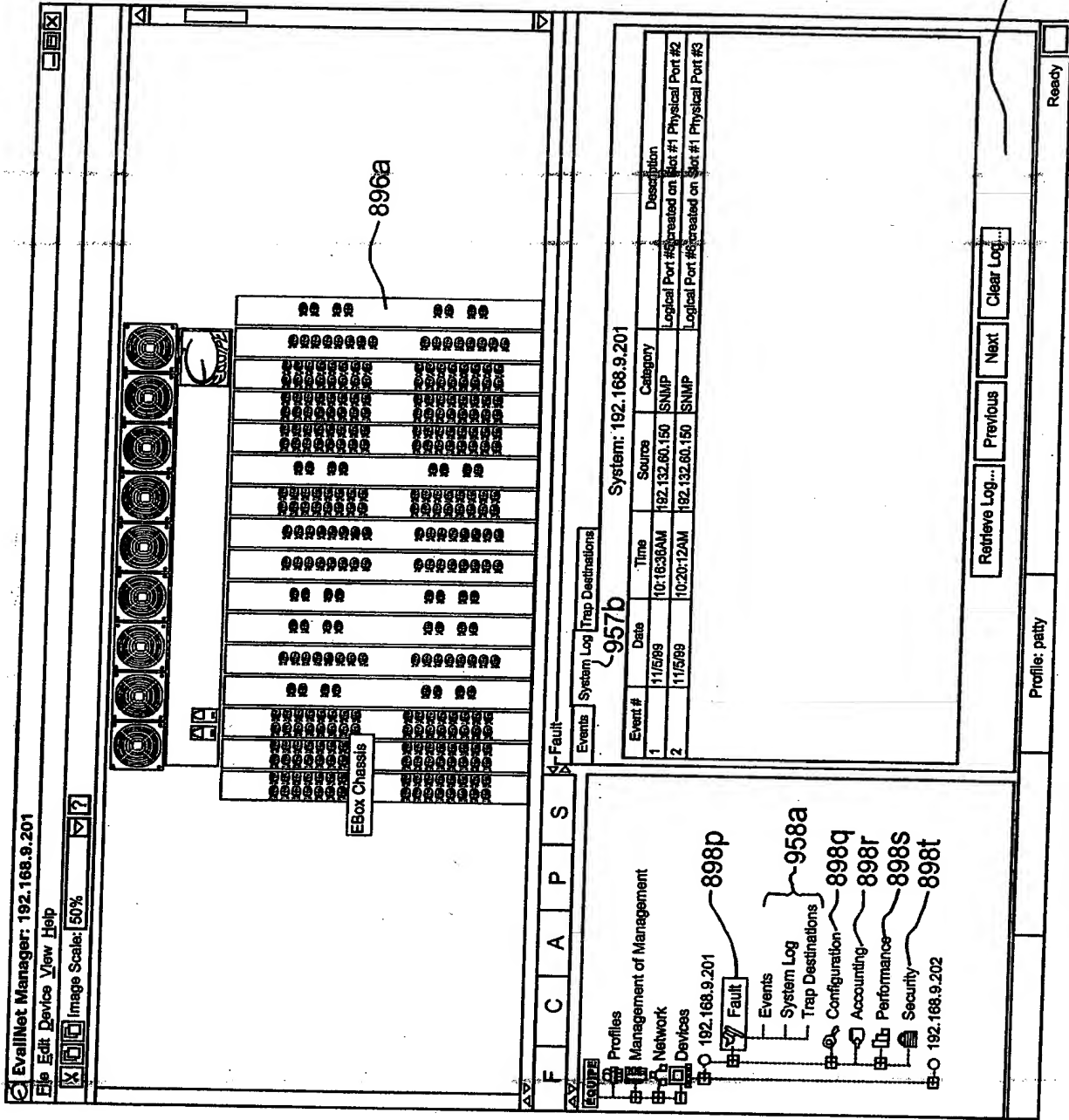
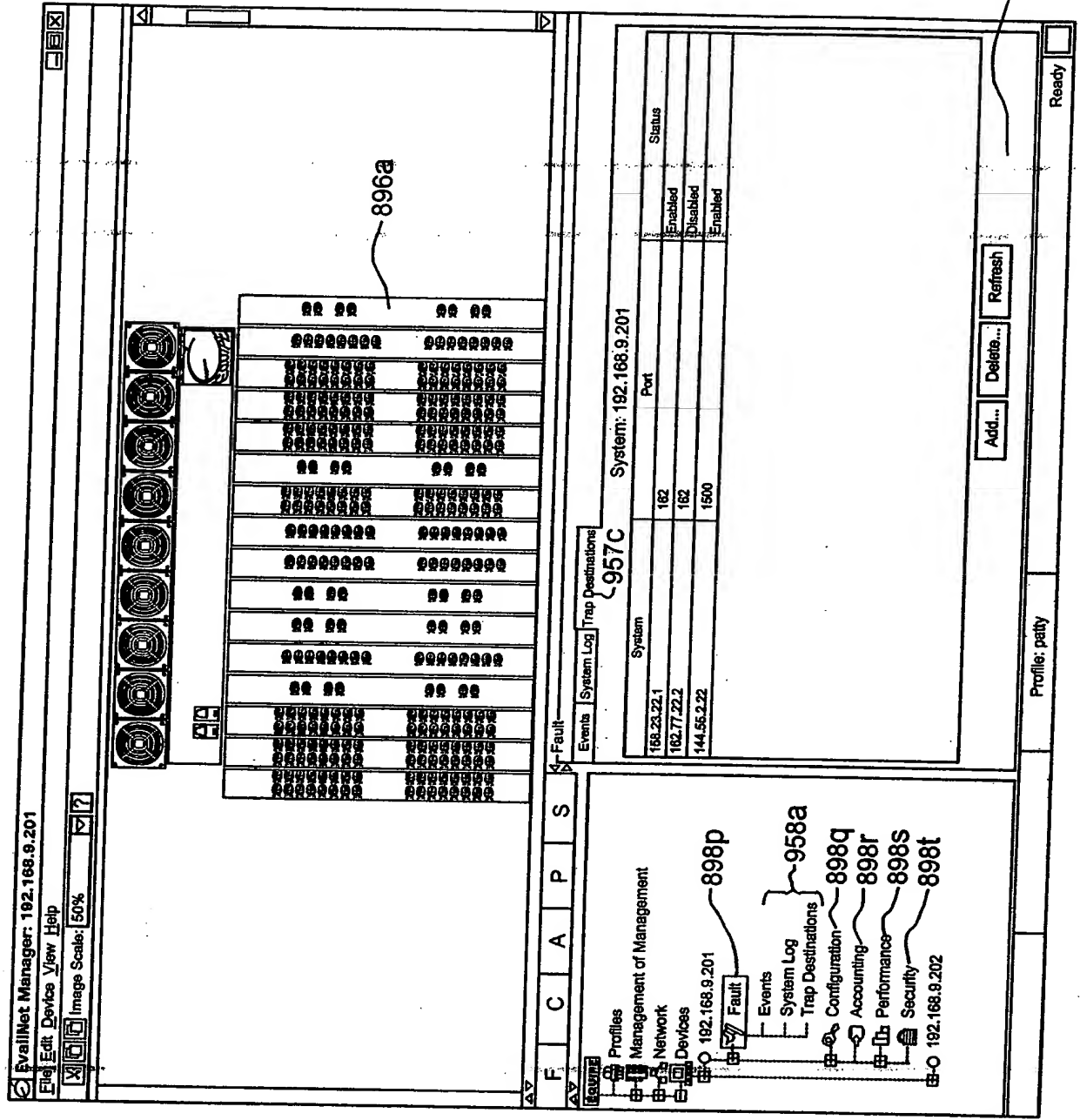


FIG. 7F

895



897

FIG. 7G

895

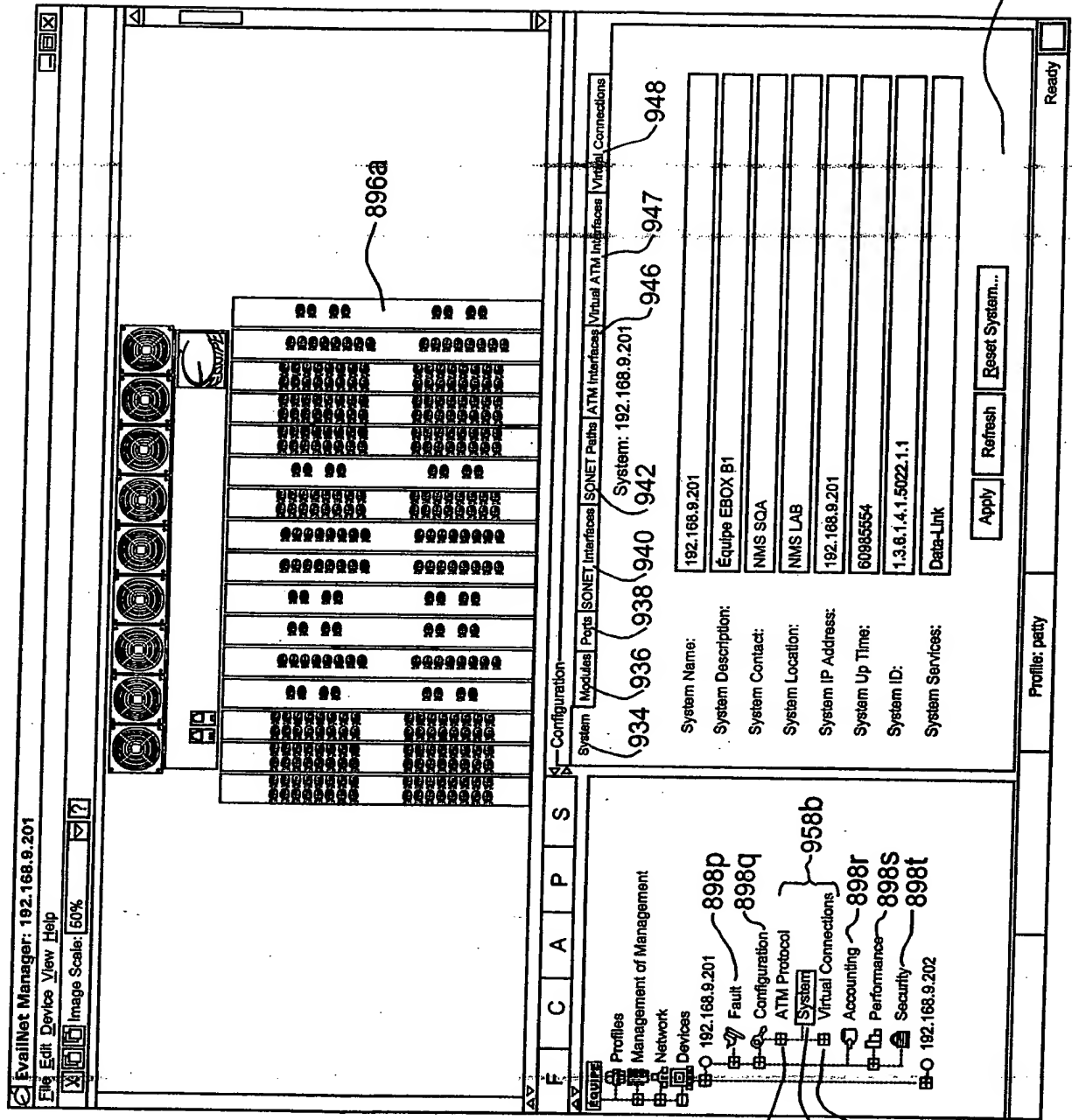


FIG. 7H

FIG. 7K

895

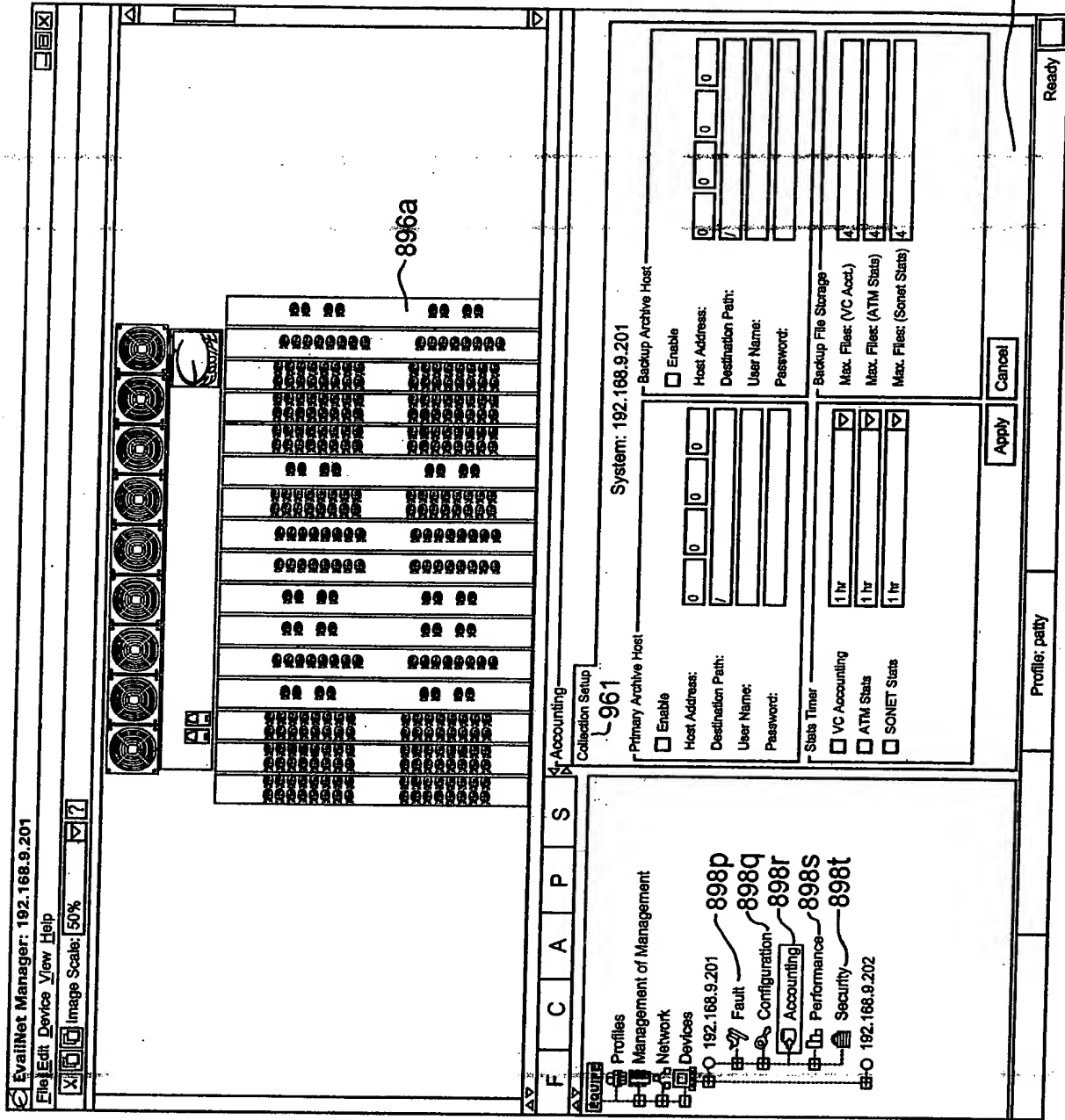


FIG. 7L

897

895

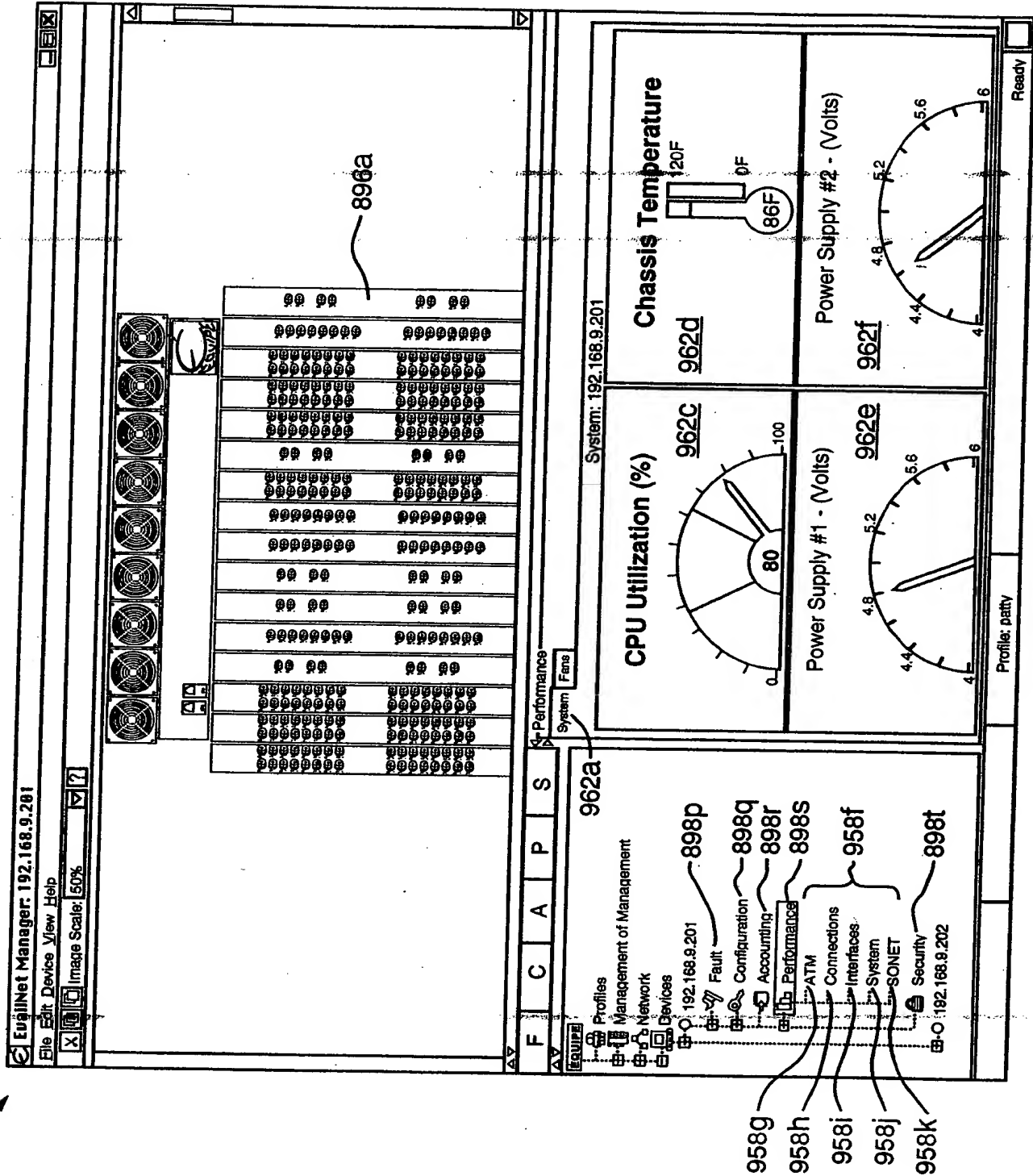


FIG. 7M

895

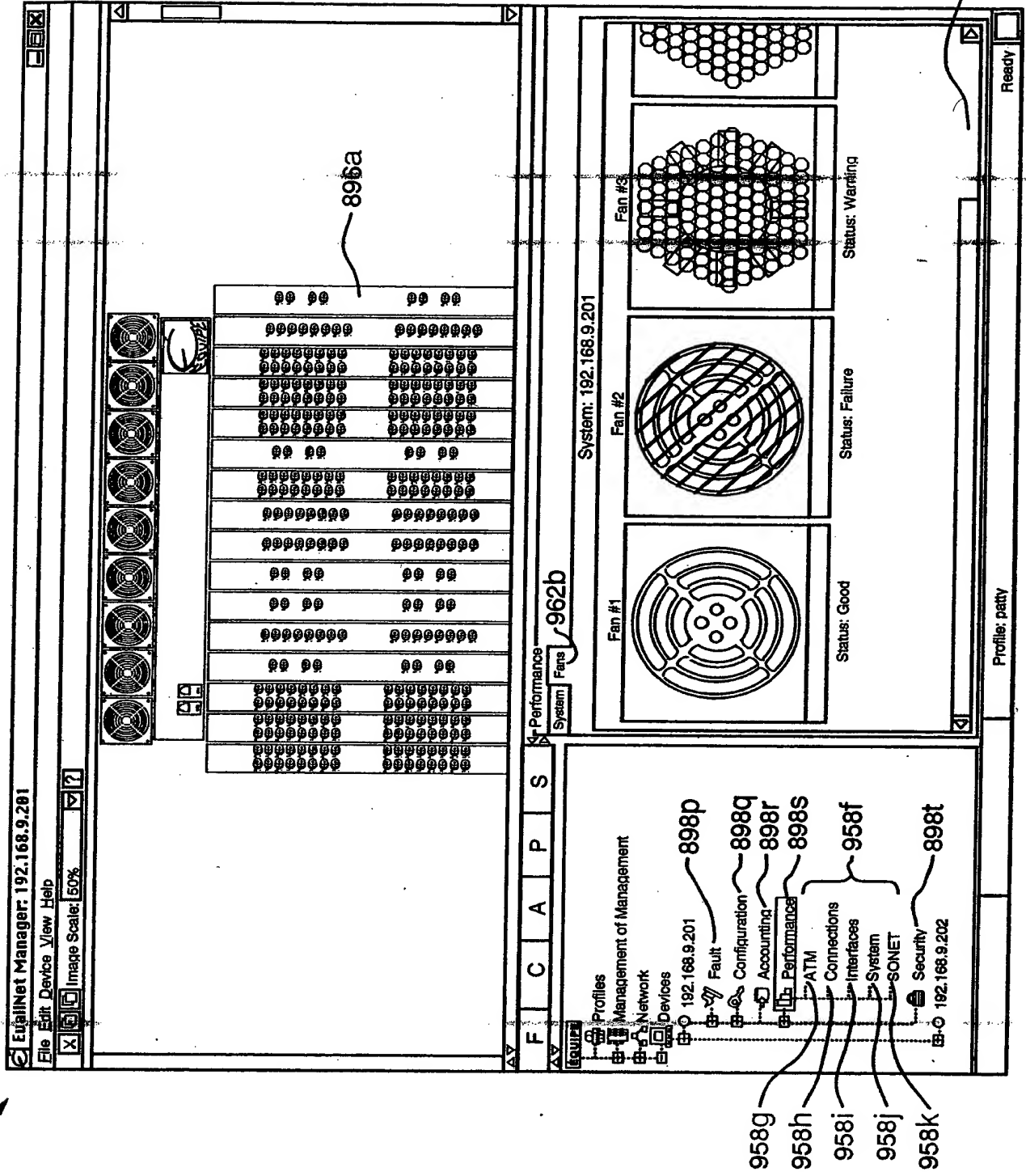


FIG. 7N

895

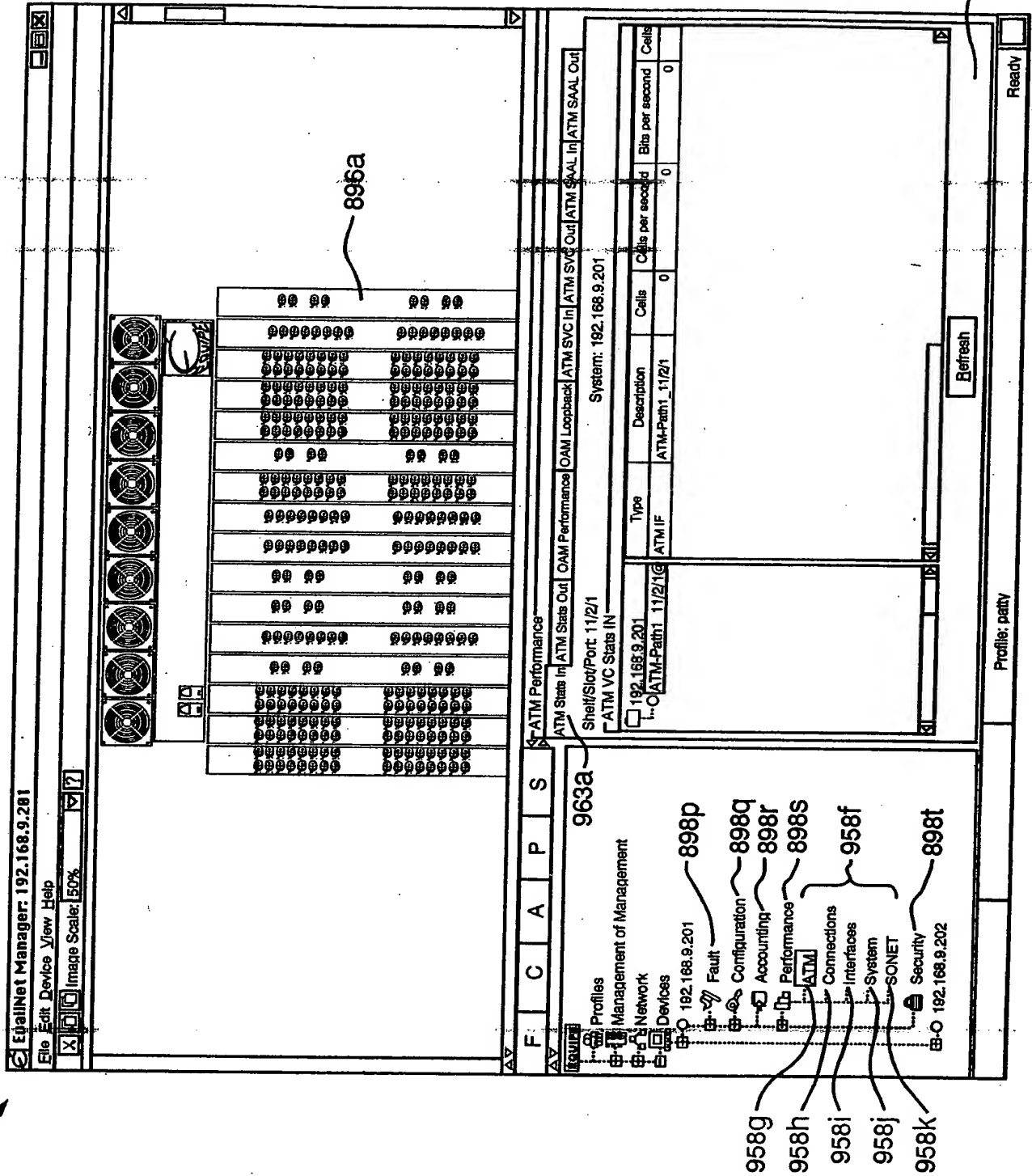


FIG. 70

895

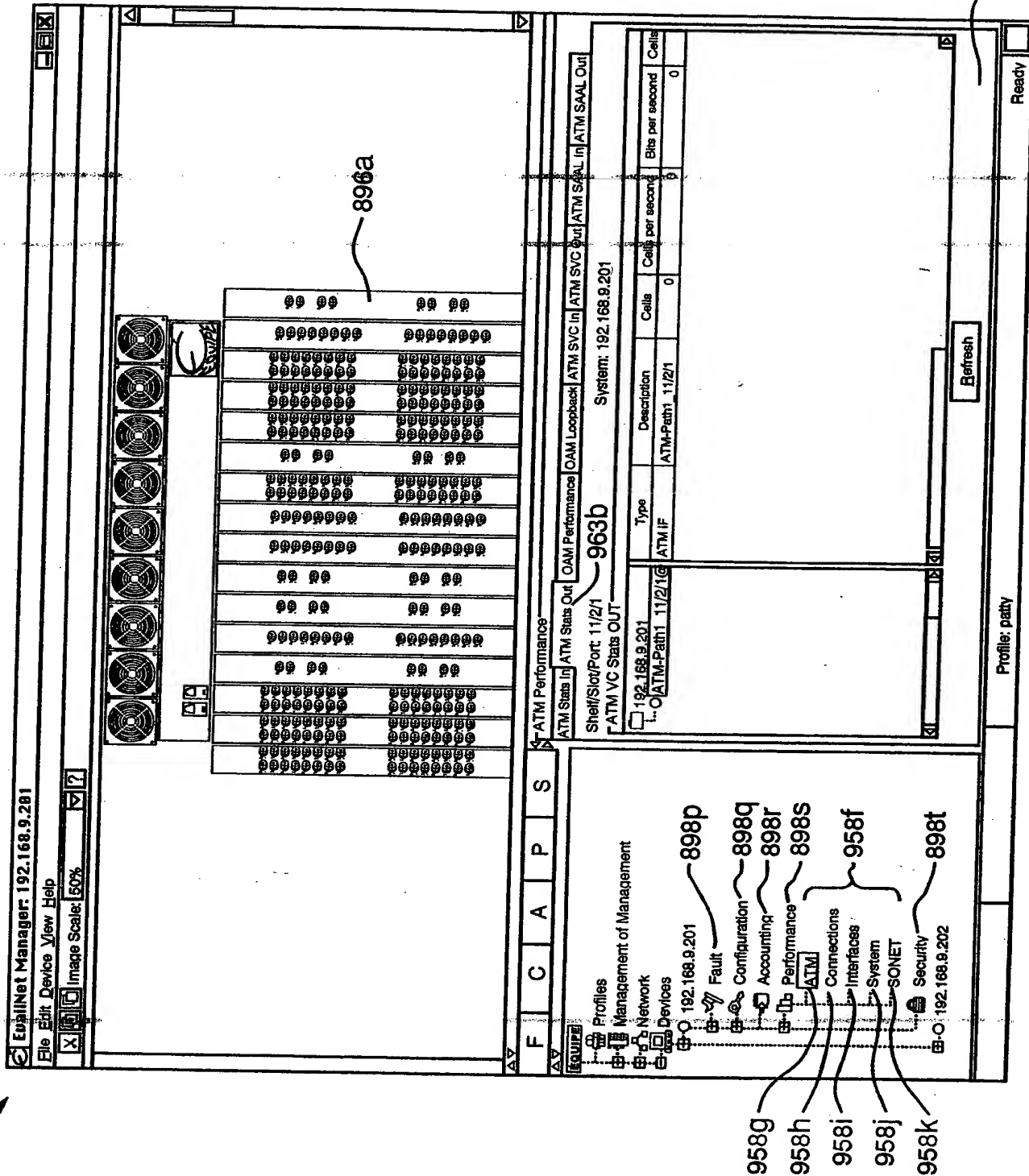


FIG. 7P

895

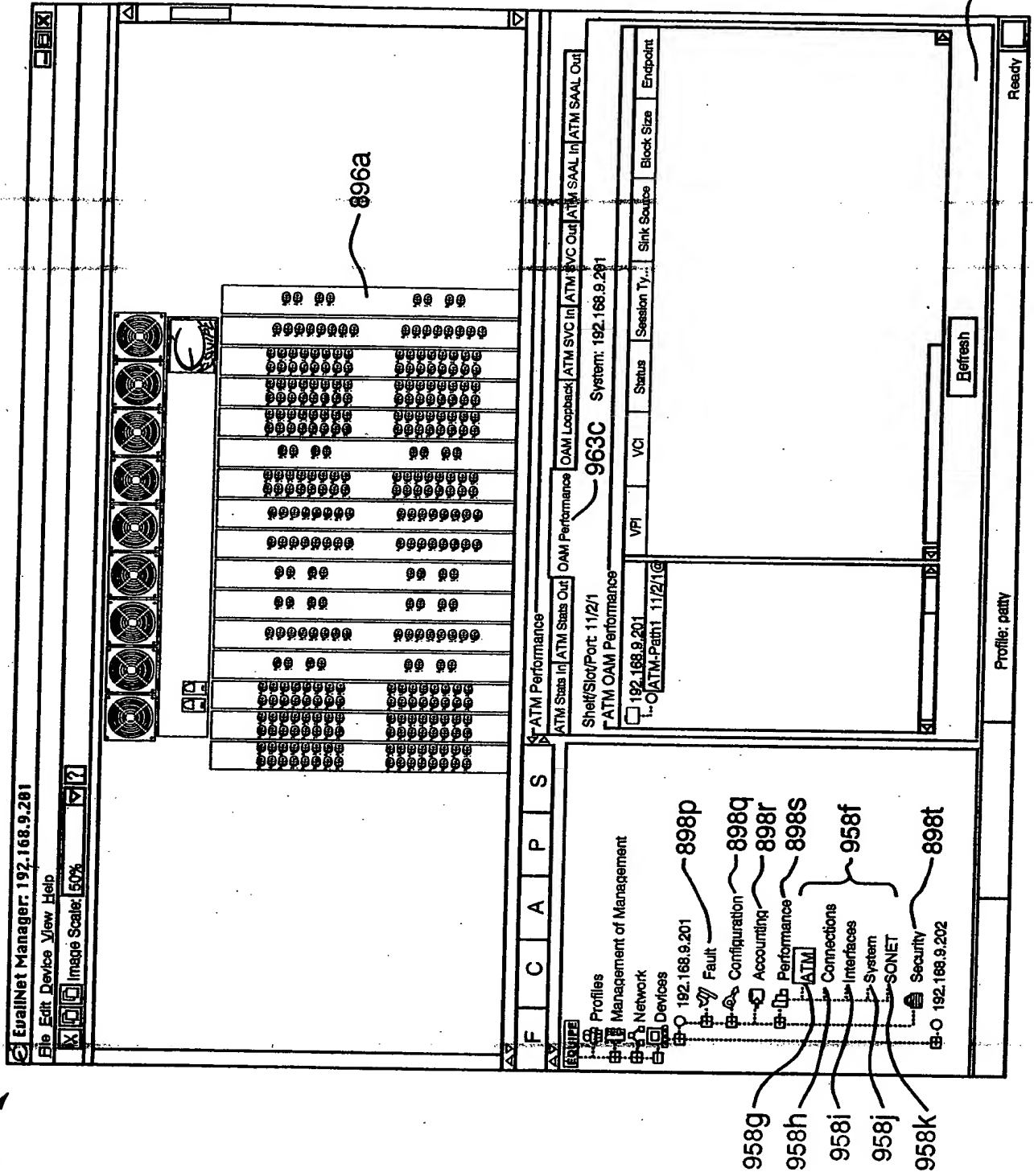


FIG. 7Q

The screenshot displays the EptailNet Manager software interface. The top menu bar includes 'EptailNet Manager: 192.168.9.201', 'File', 'Edit', 'Device', 'View', and 'Help'. Below the menu is a toolbar with icons for file operations and a zoom slider set to 50%.

The main window is divided into several sections:

- Left Panel:** A vertical stack of icons representing different network components: Profiles, Management of Management, Network, and Devices. The 'Devices' section is currently selected, showing a list of devices with their IP addresses and names: 192.168.9.201 (898p), 192.168.9.202 (898t), 192.168.9.203 (898r), 192.168.9.204 (898s), 192.168.9.205 (898f), 192.168.9.206 (898k), and 192.168.9.207 (898j).
- Top Panel:** A horizontal bar with tabs for 'F', 'C', 'A', 'P', and 'S'. The 'F' tab is active, showing a list of profiles: 'Management of Management', 'Network', and 'Devices'. The 'Network' profile is selected, showing a diagram of the network topology with nodes and connections.
- Right Panel:** A table titled 'ATM Performance' showing various performance metrics for the selected device (192.168.9.201). The table has columns for 'ATM Stats In', 'ATM Stats Out', 'OAM Performance', 'OAM Loopback', 'ATM SVC In', 'ATM SVC Out', 'ATM SAAL In', and 'ATM SAAL Out'. The 'OAM Performance' column shows a value of 963d. The 'ATM SVC In' column shows a value of 192.168.9.201. The 'ATM SVC Out' column shows a value of 192.168.9.201. The 'ATM SAAL In' column shows a value of 192.168.9.201. The 'ATM SAAL Out' column shows a value of 192.168.9.201. The 'OAM Loopback' column shows a value of 192.168.9.201. The 'ATM SVC In' column shows a value of 192.168.9.201. The 'ATM SVC Out' column shows a value of 192.168.9.201. The 'ATM SAAL In' column shows a value of 192.168.9.201. The 'ATM SAAL Out' column shows a value of 192.168.9.201.

FIG. 7R

895

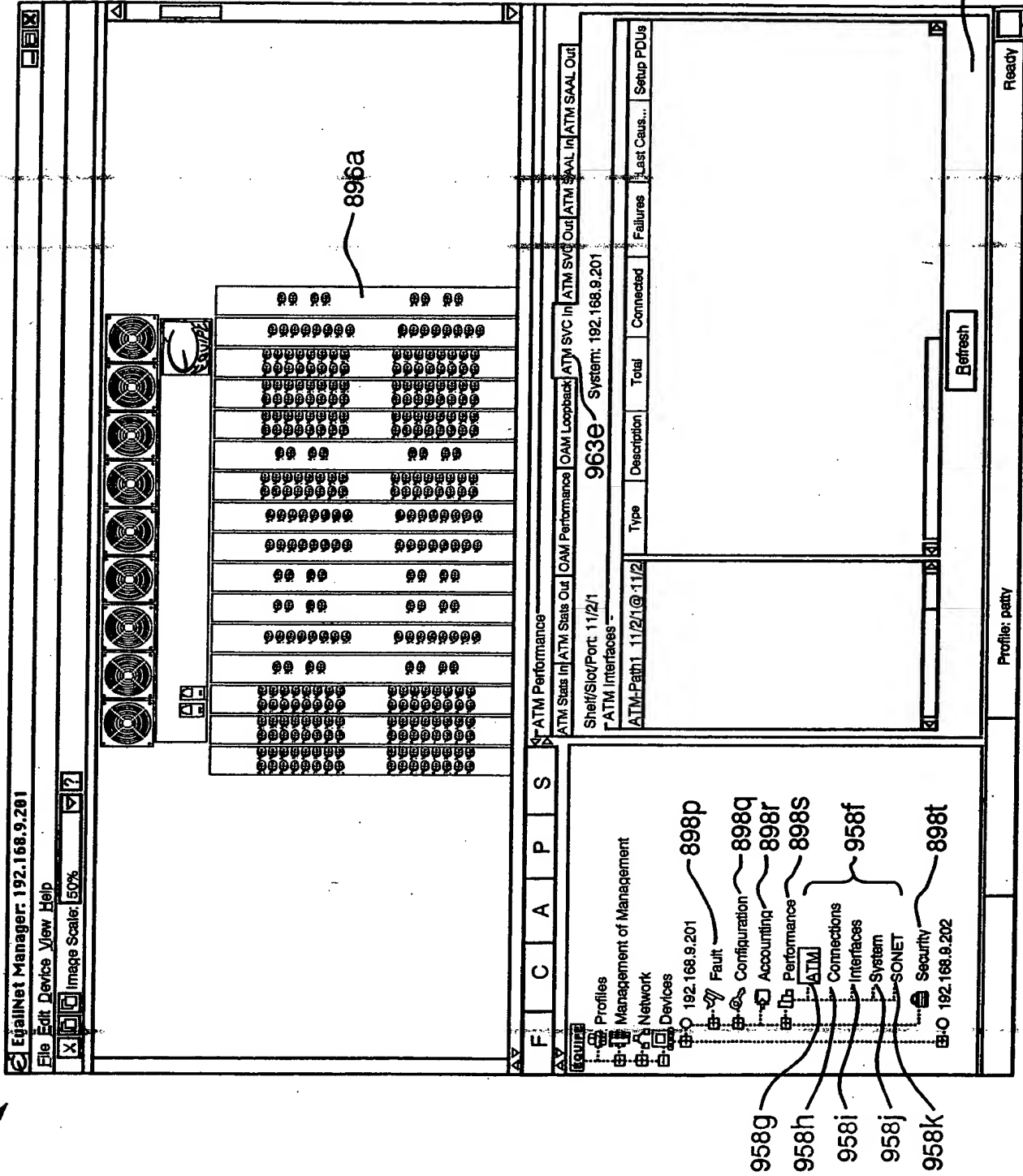


FIG. 7S

FIG. 7T

895

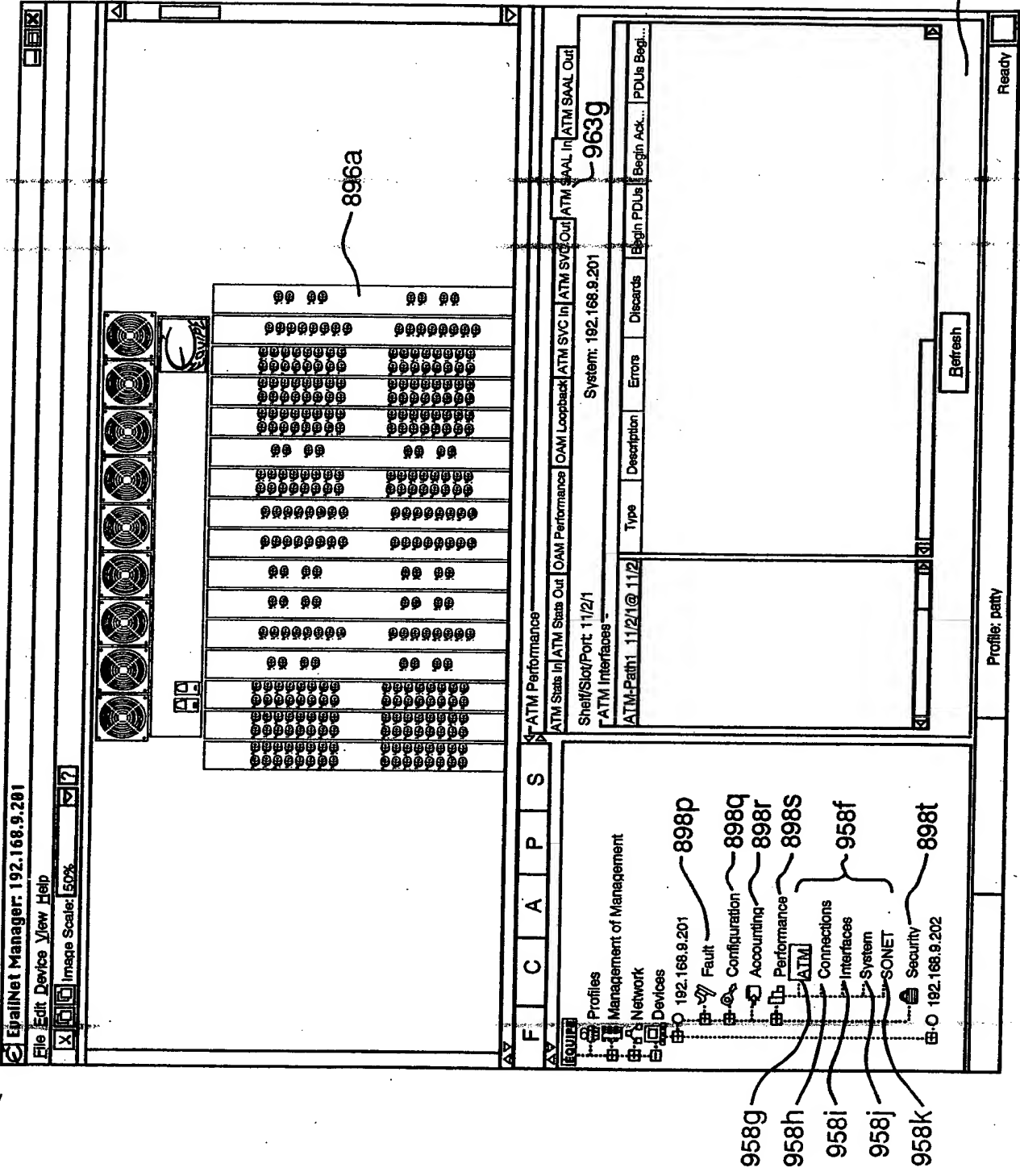
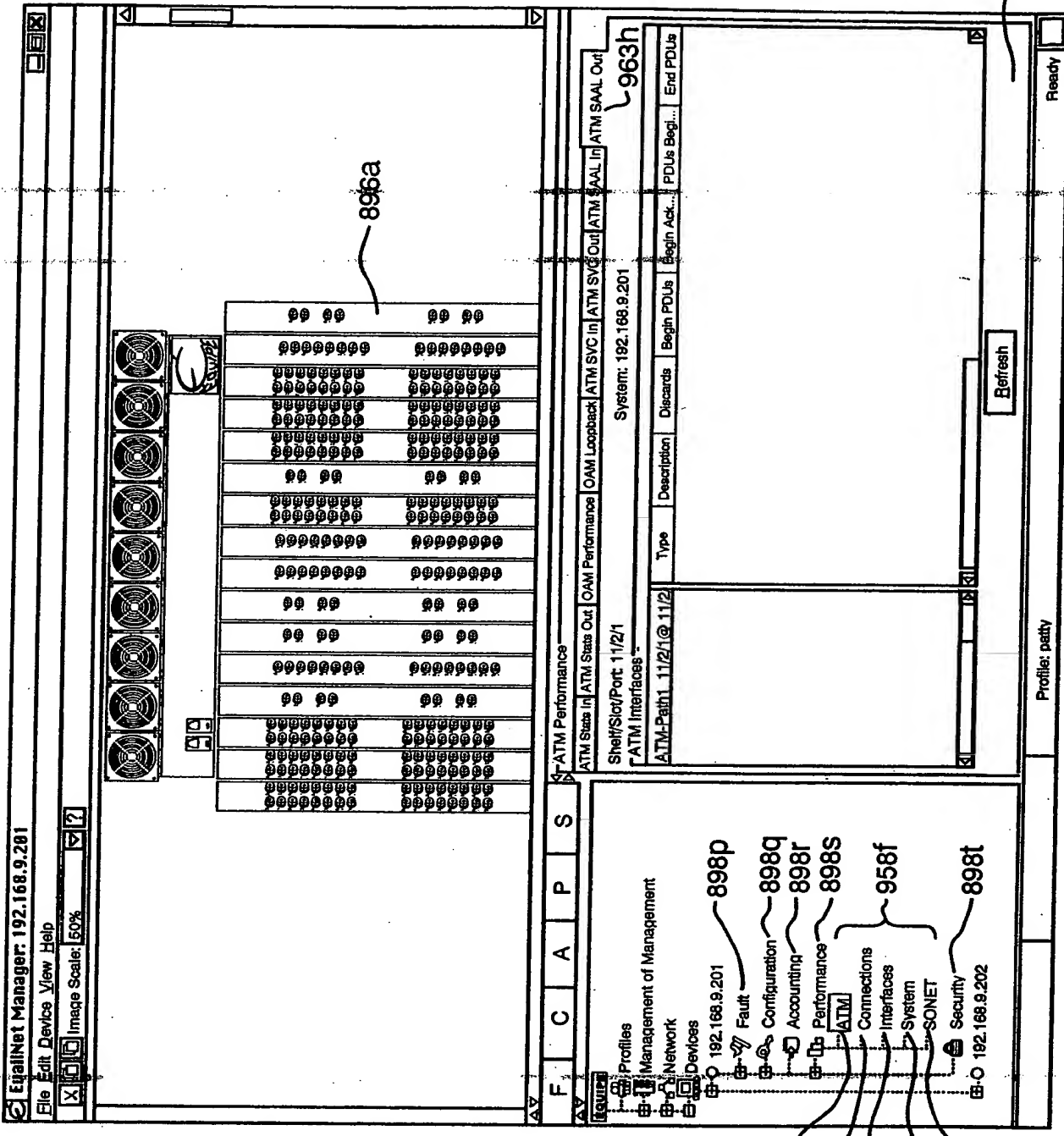


FIG. 7U

895



897

FIG. 7V

895

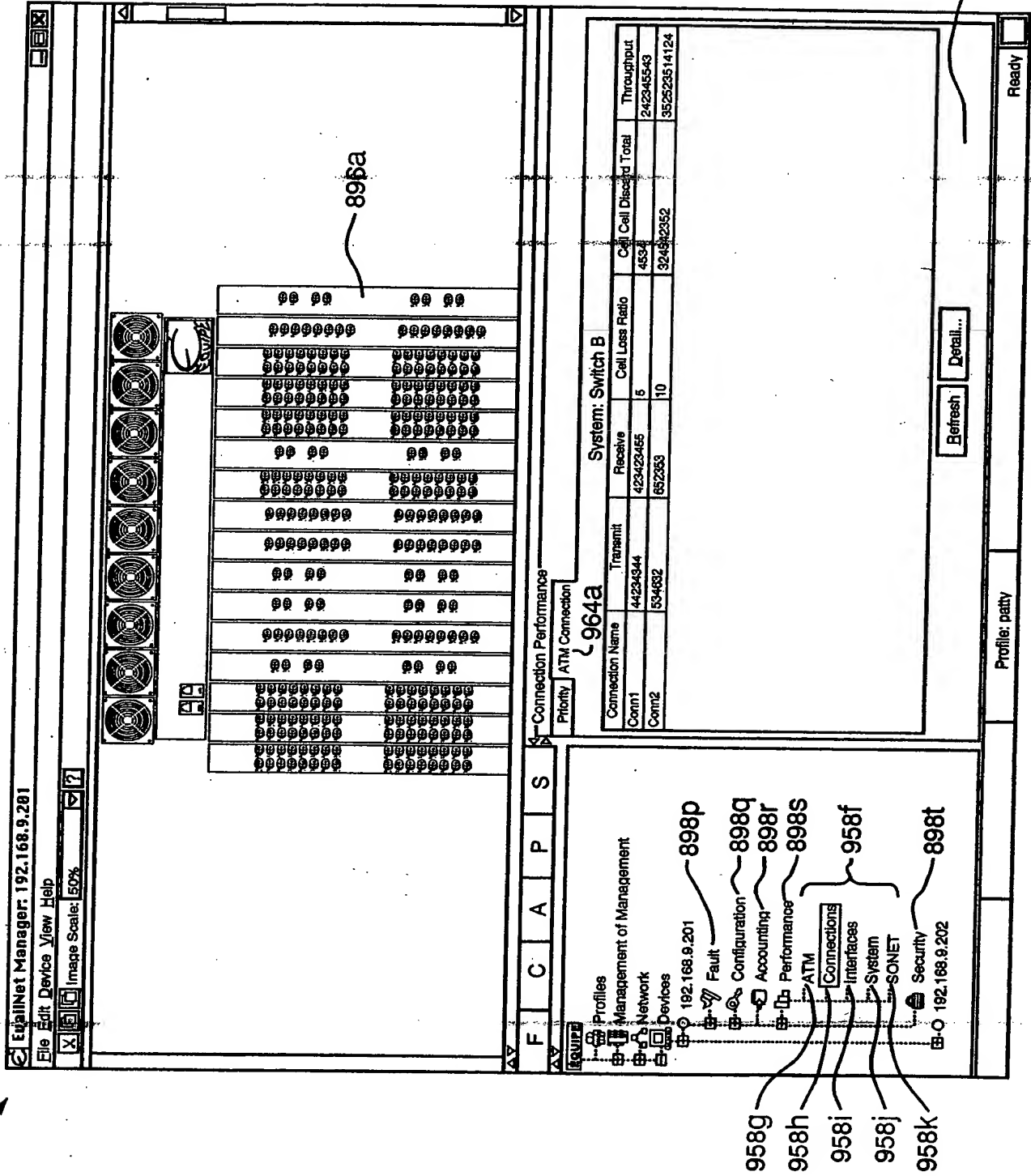


FIG. 7W

895

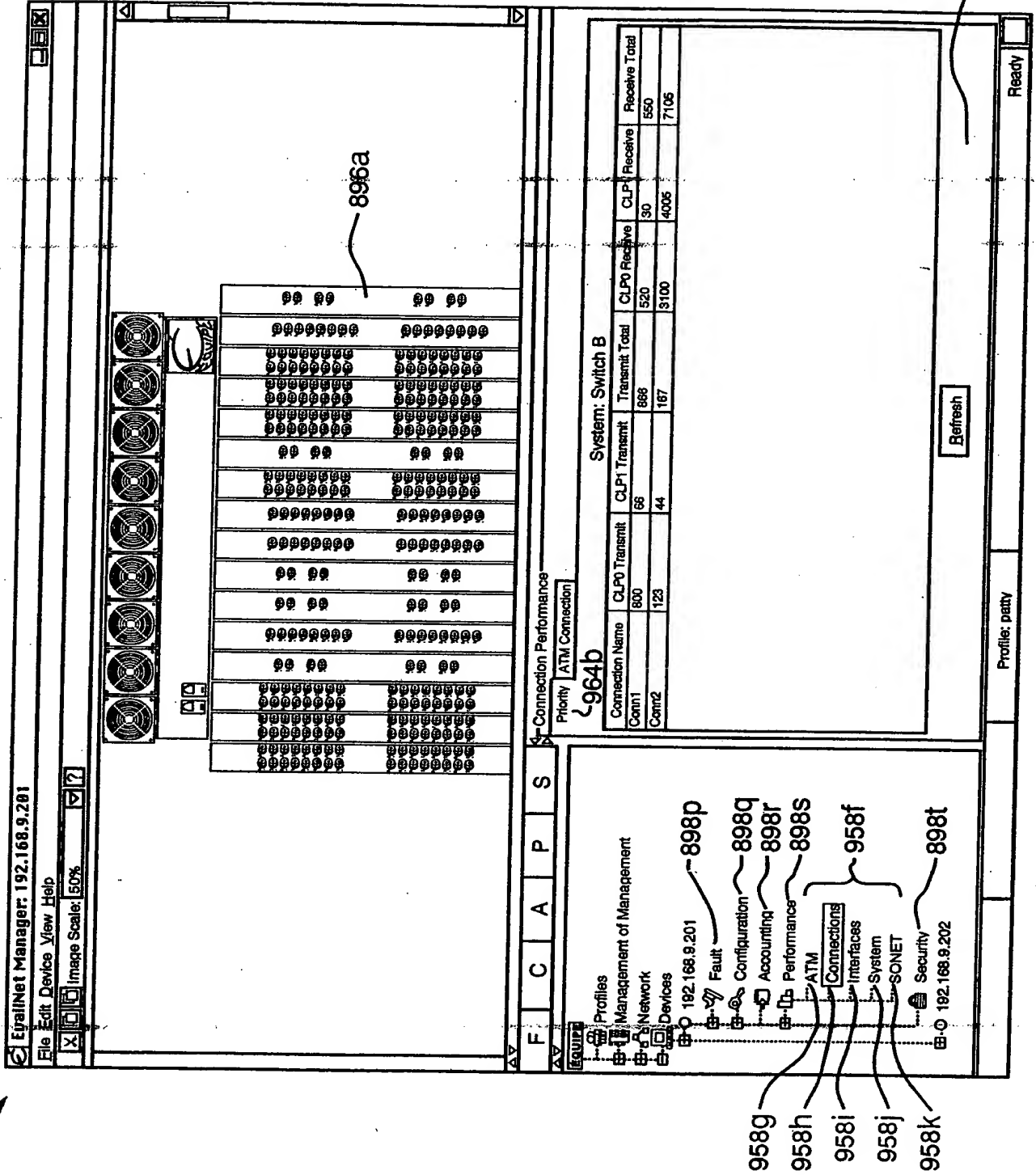


FIG. 7X

FIG. 7Y

895

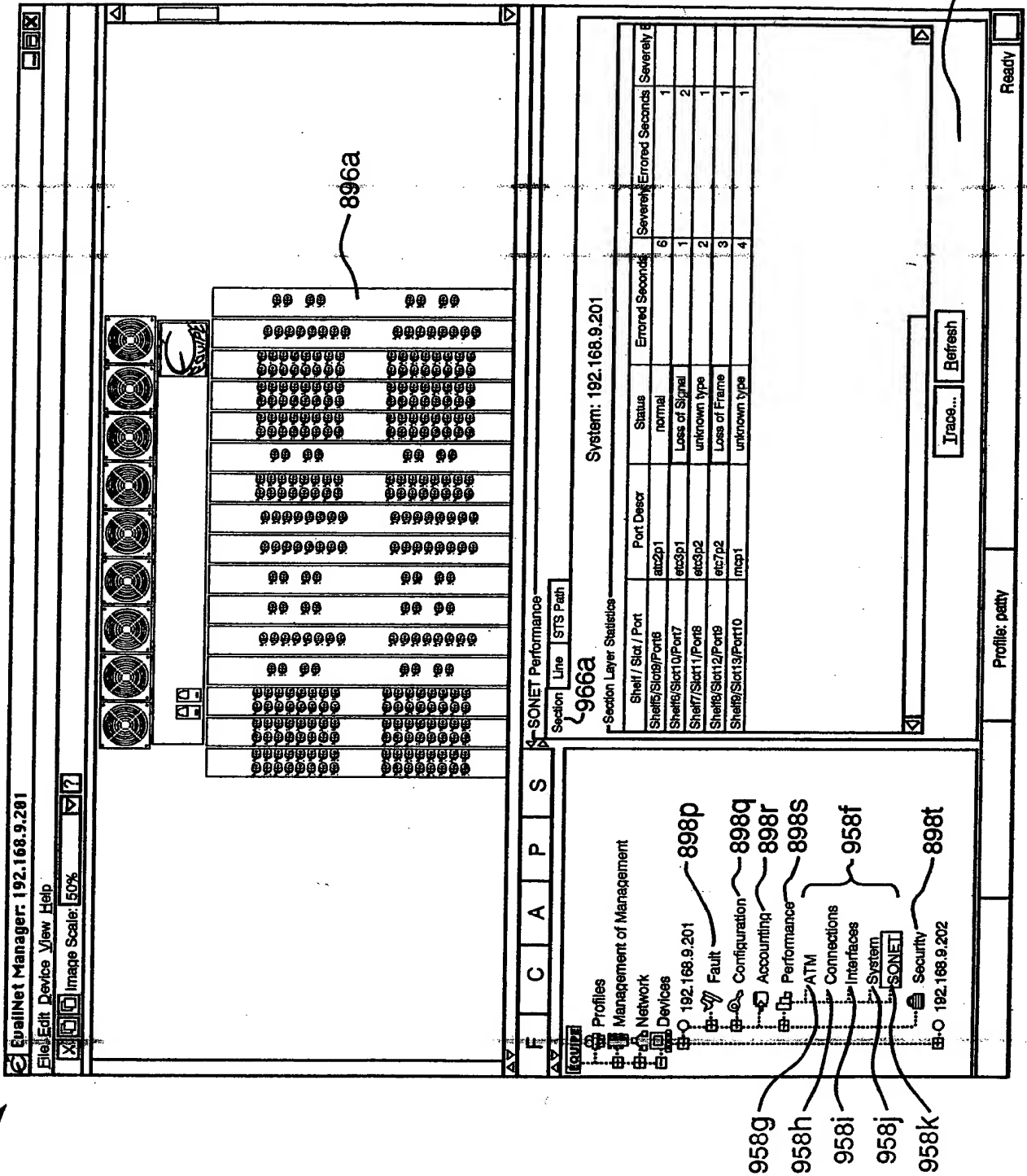


FIG. 8A

895

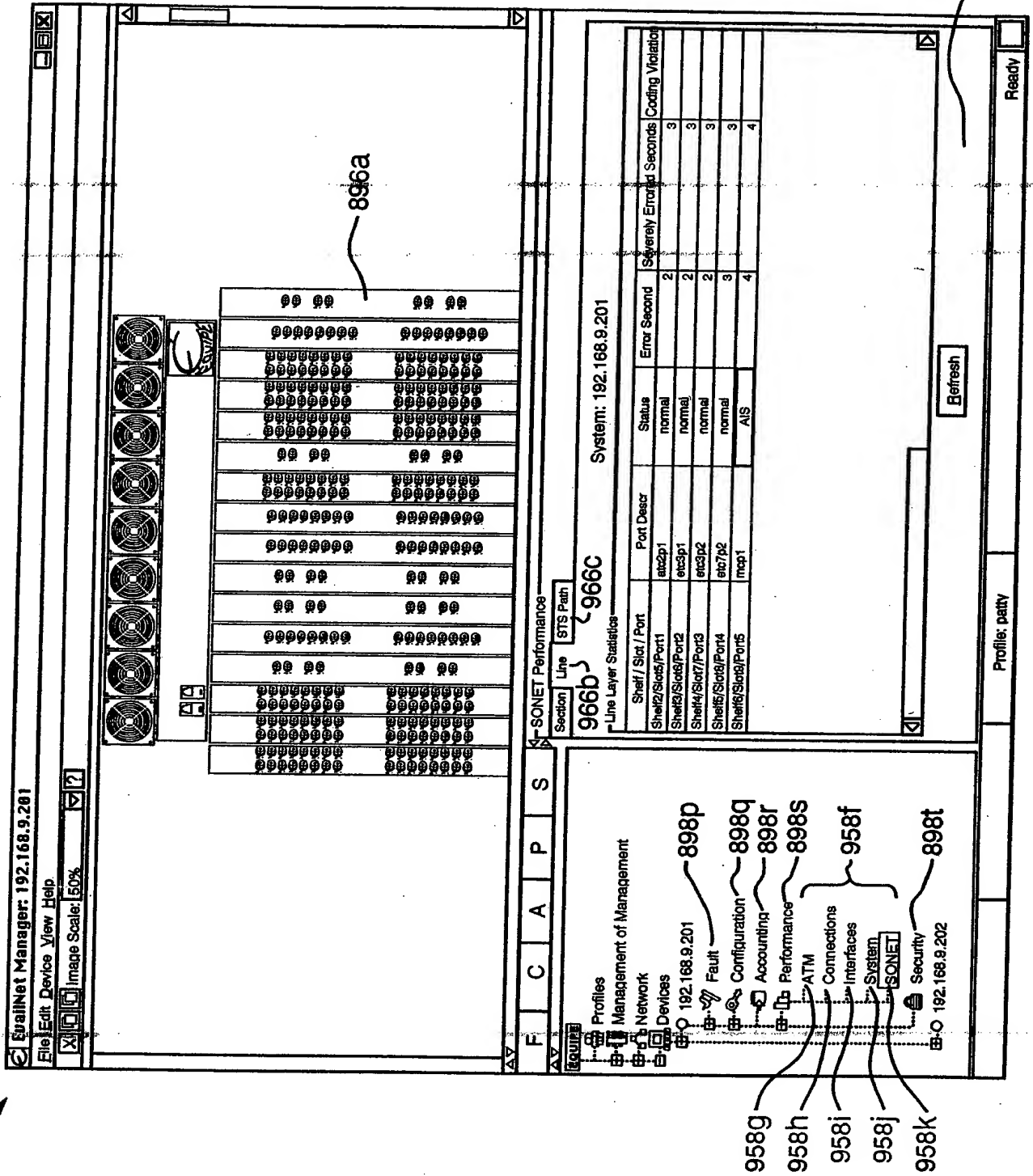


FIG. 8B

895

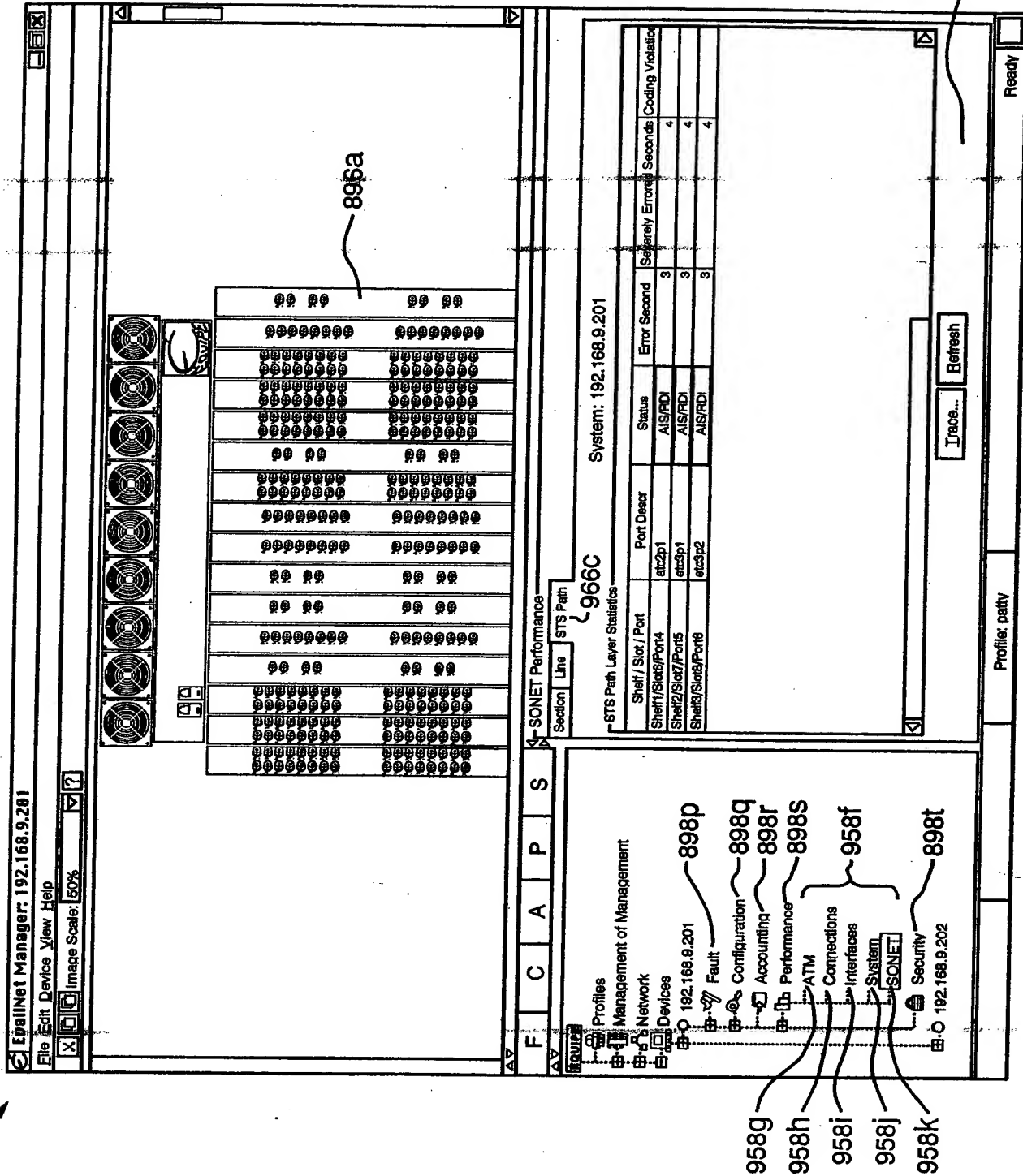
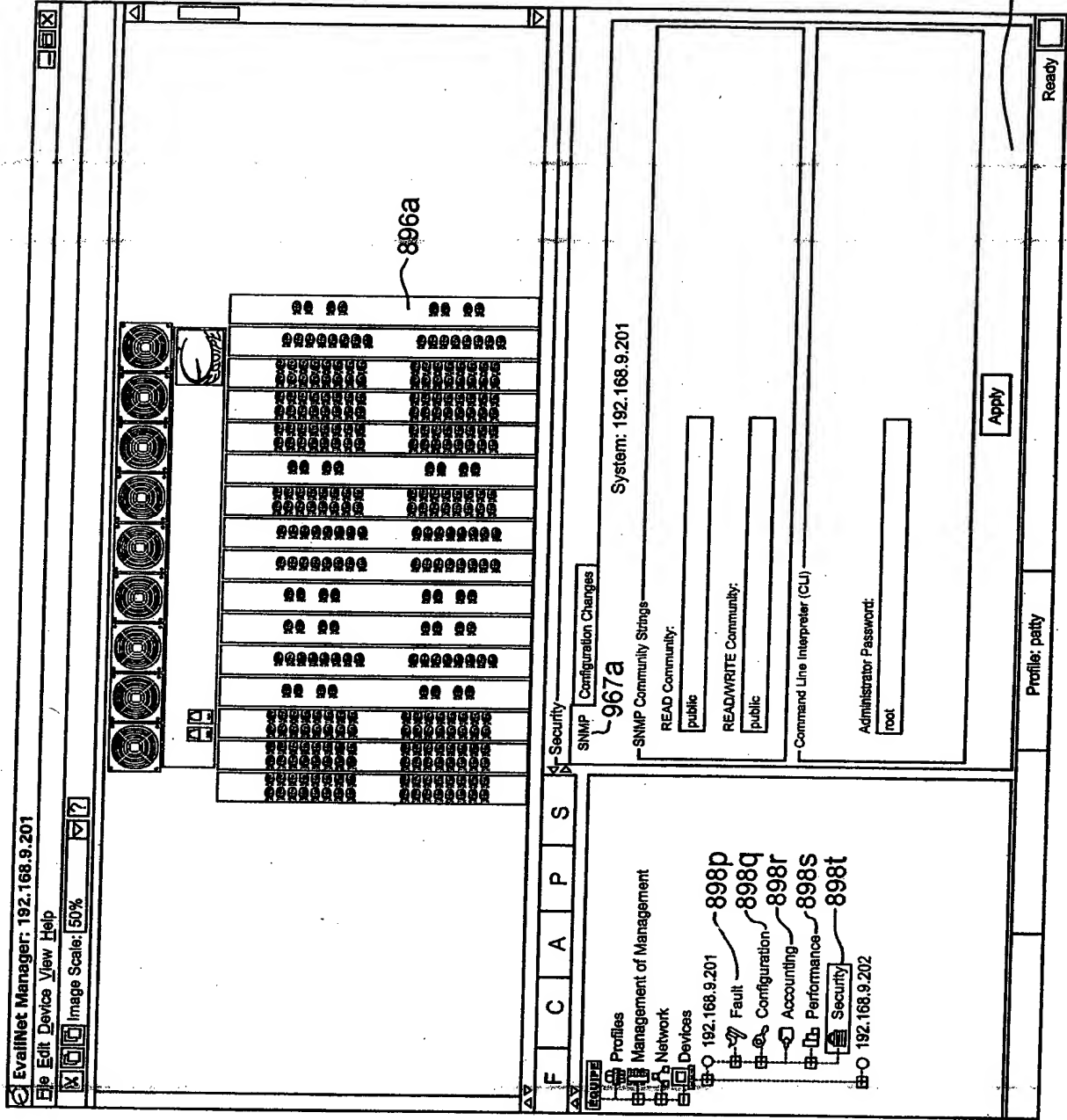


FIG. 8C

895



897

FIG. 8D

895

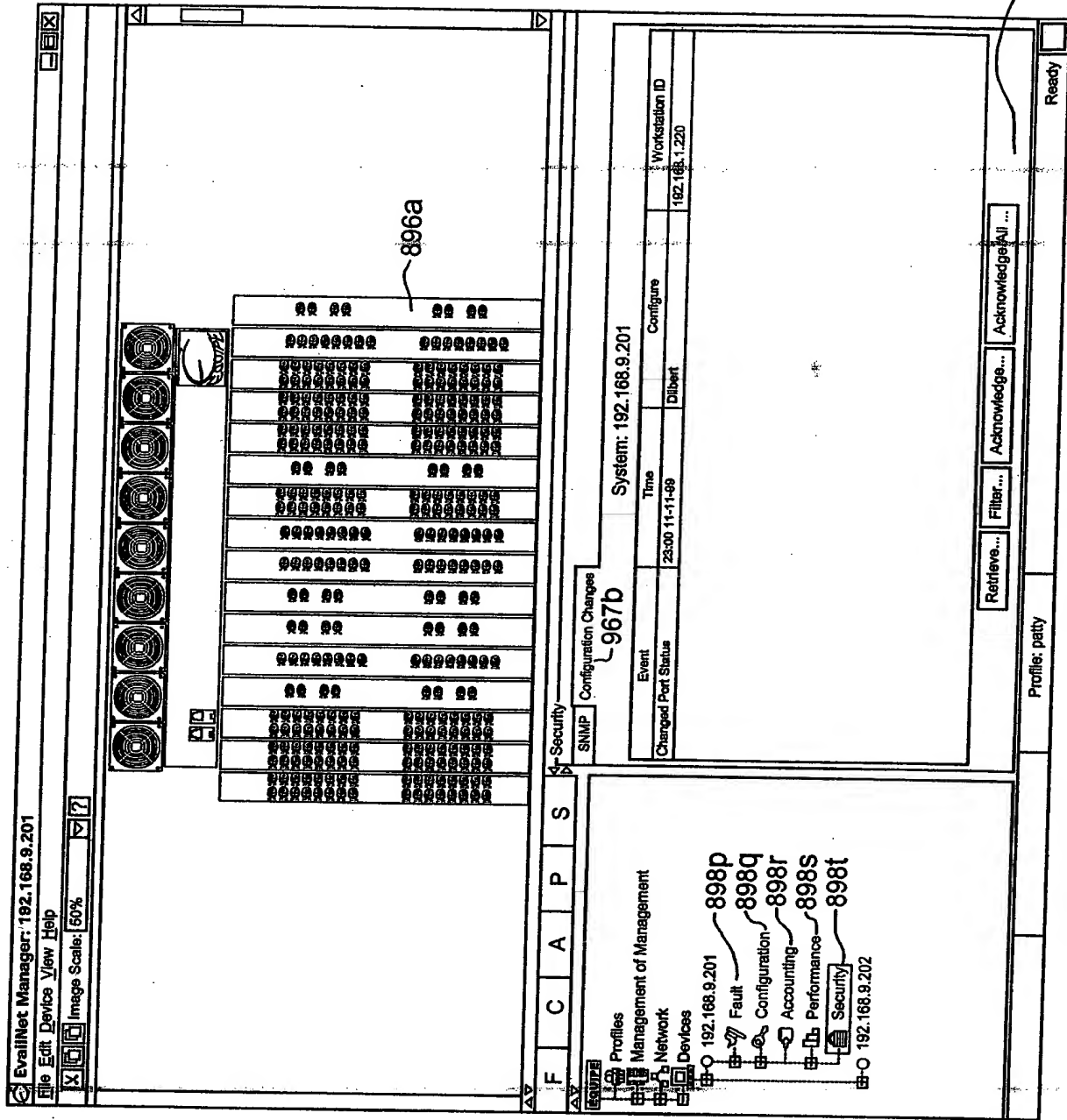


FIG. 8E

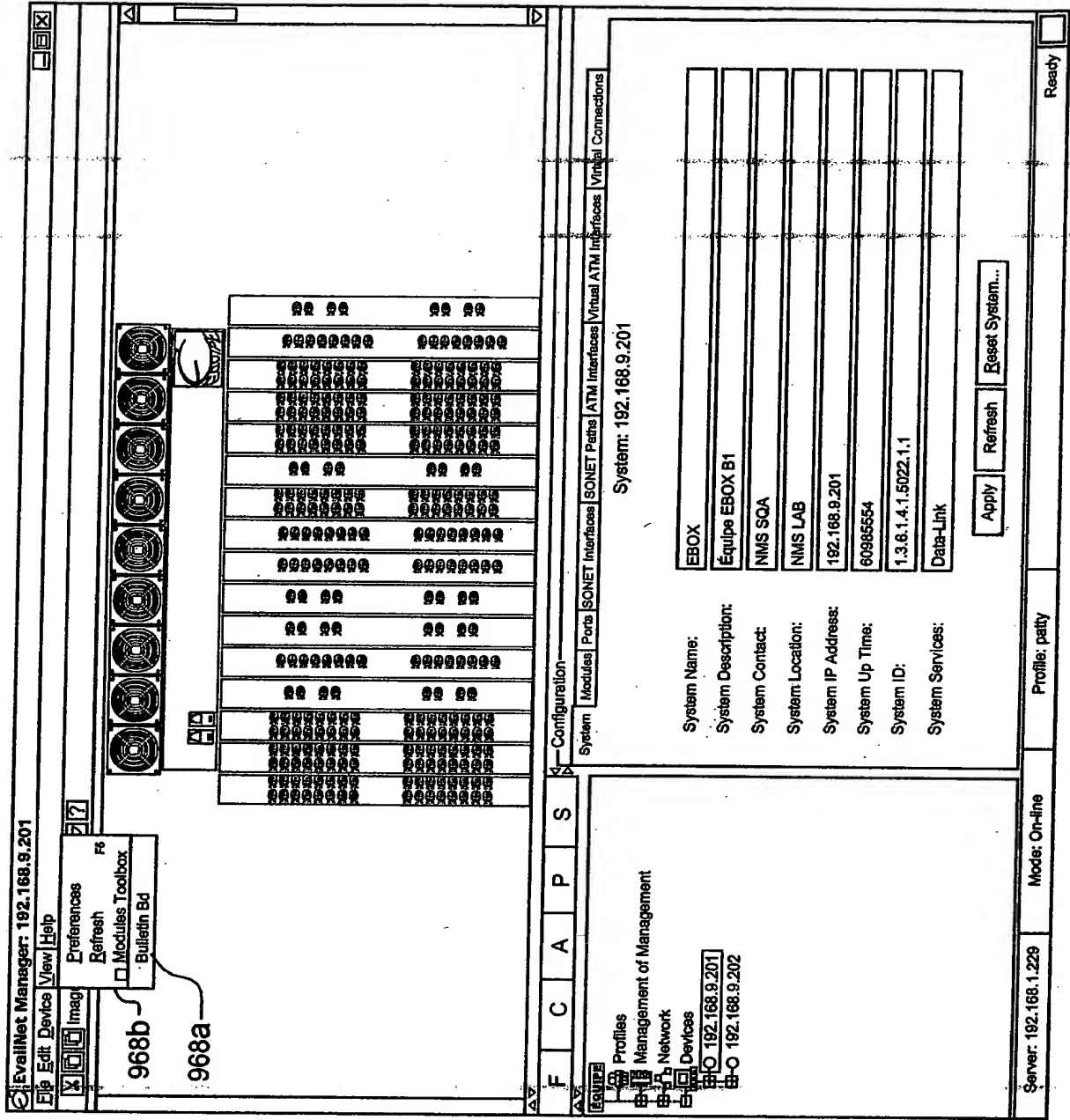


FIG. 9A

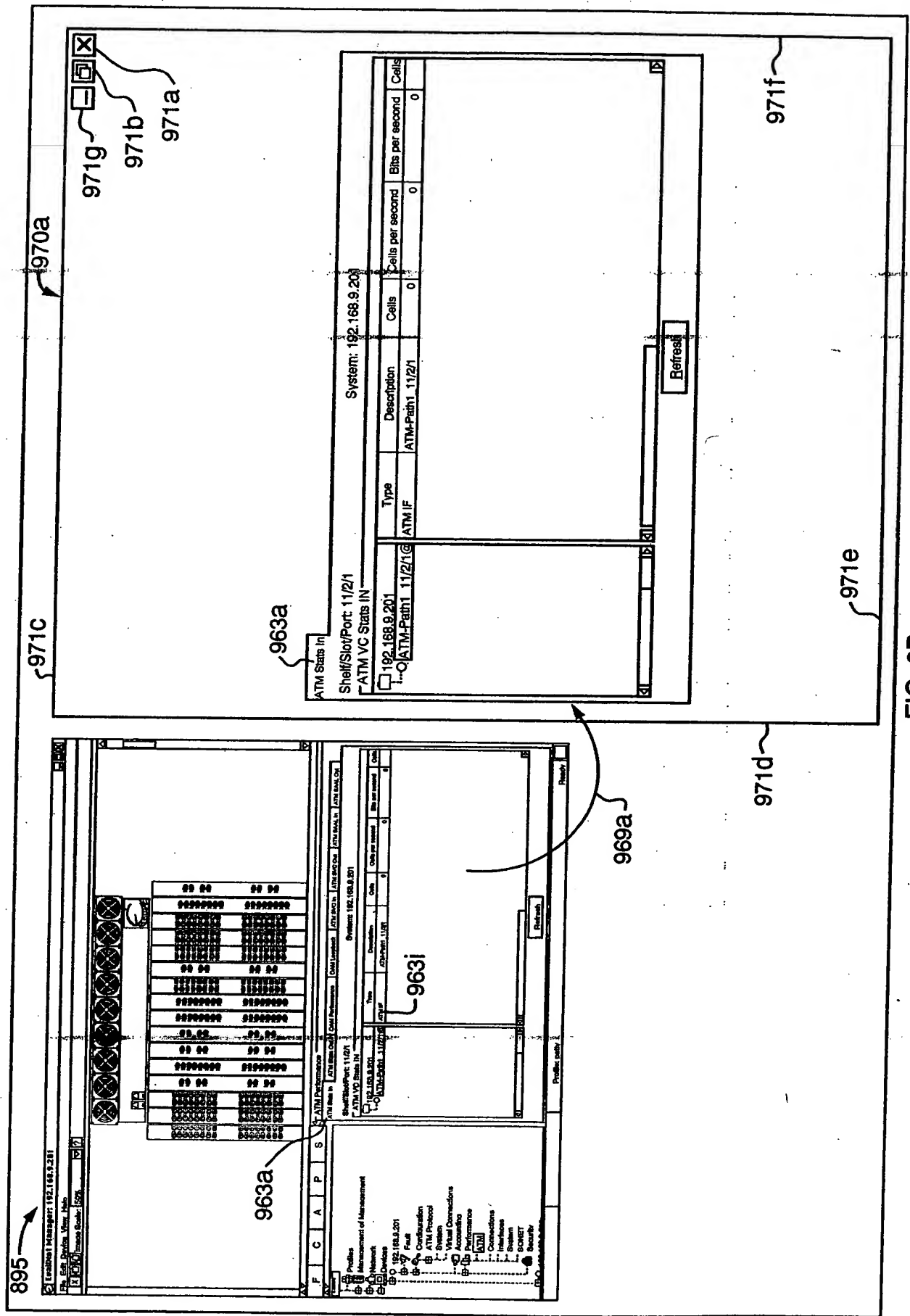
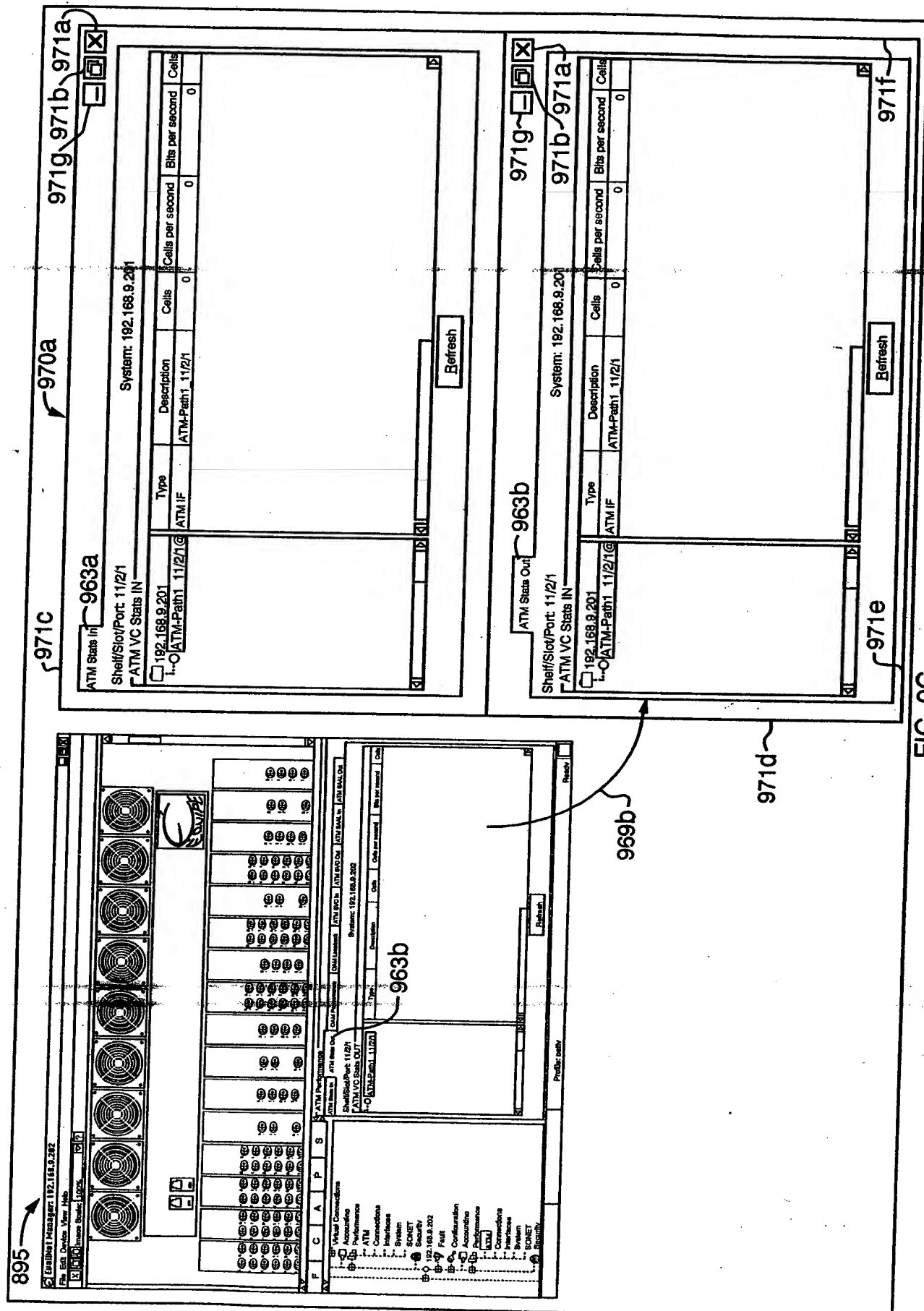


FIG. 9B



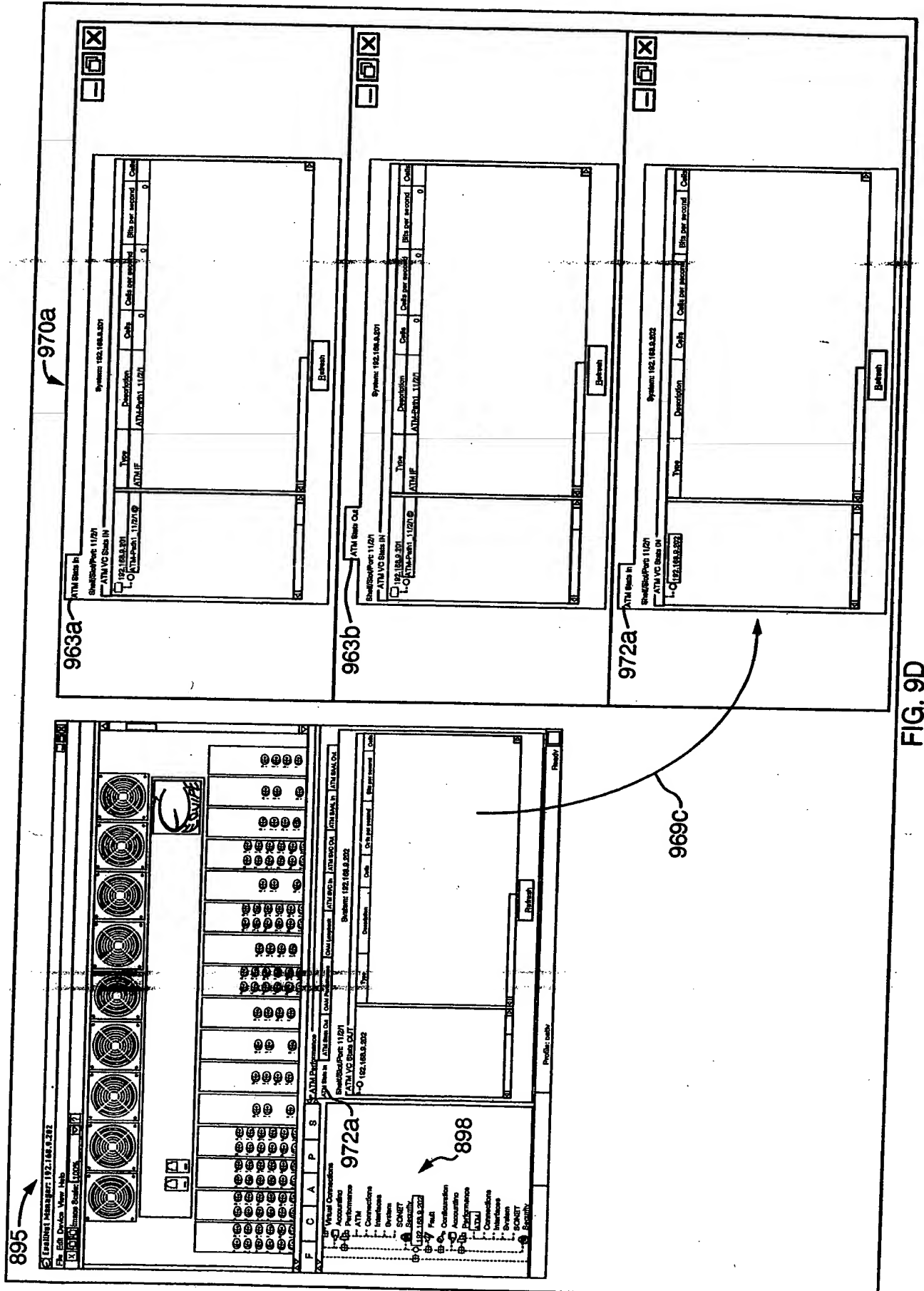


FIG. 9D

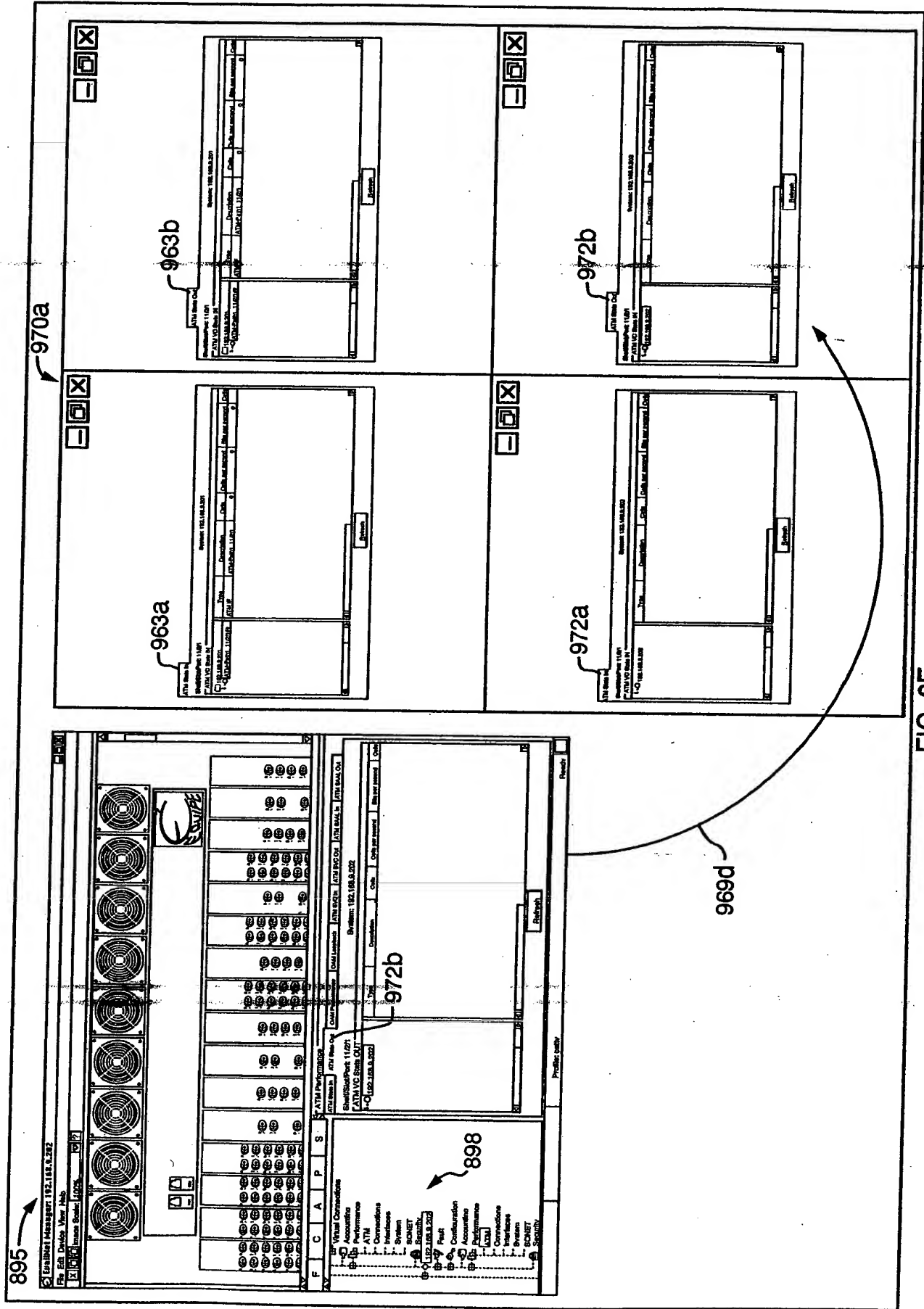


FIG. 9E

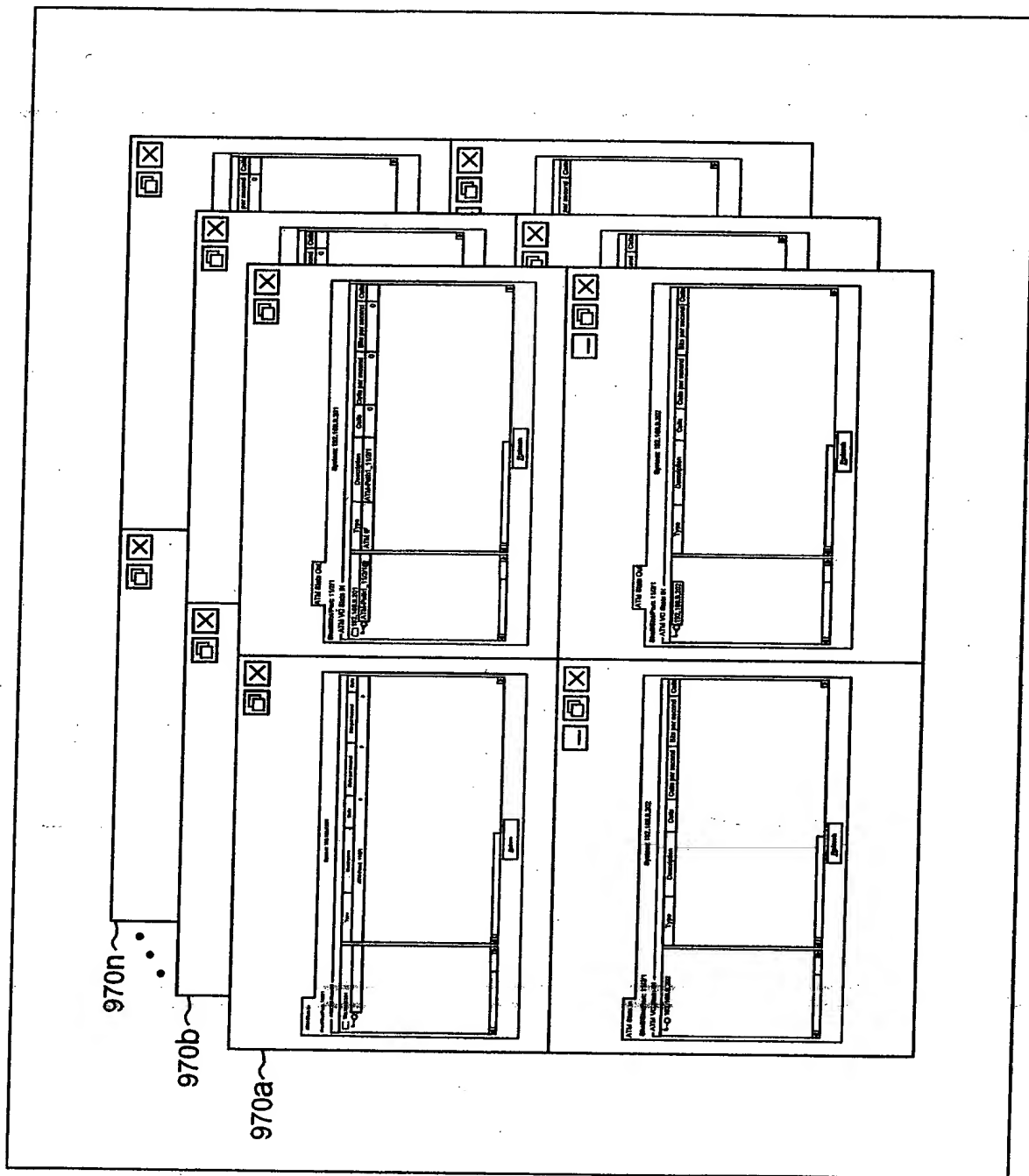


FIG. 9F

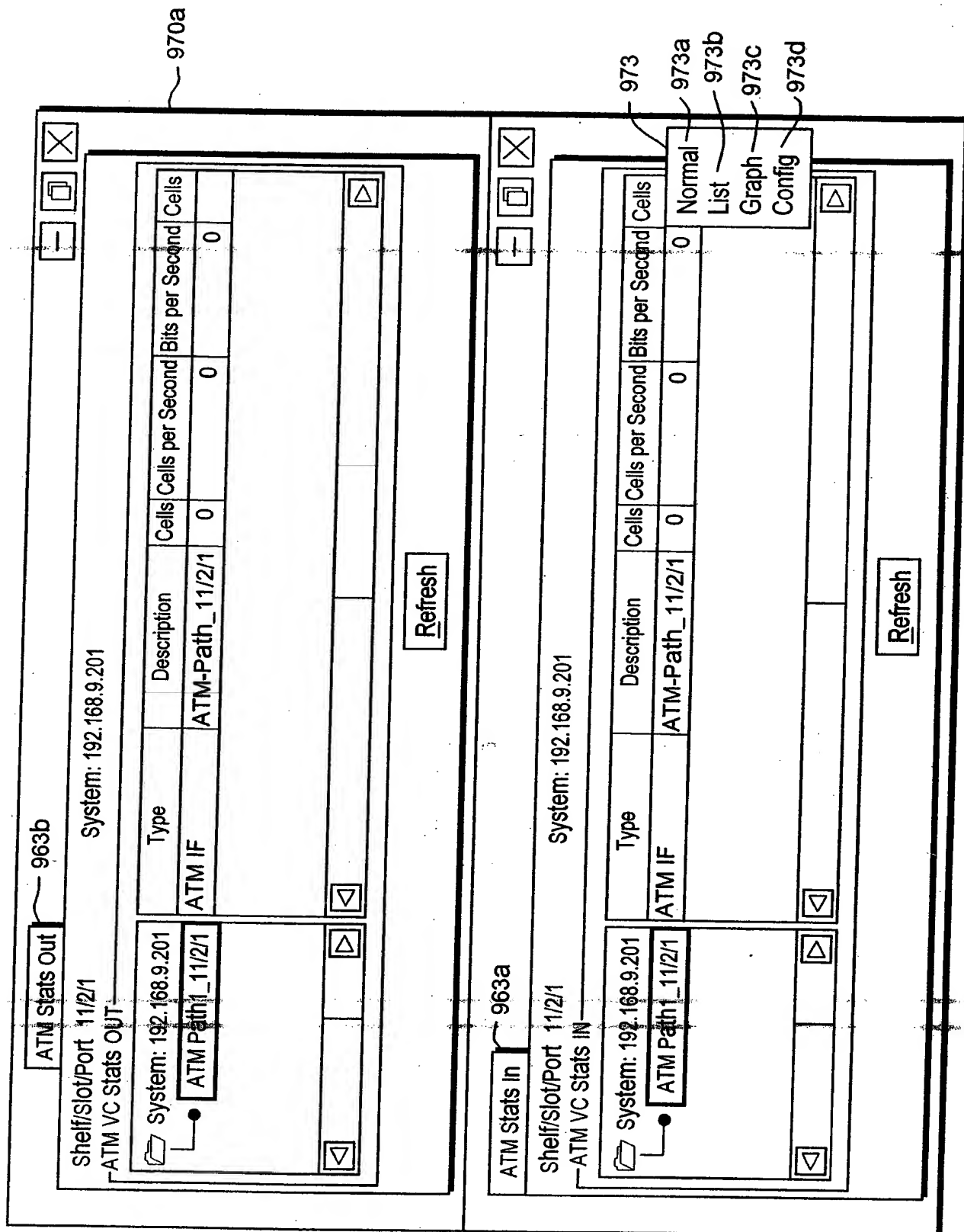


FIG. 9G

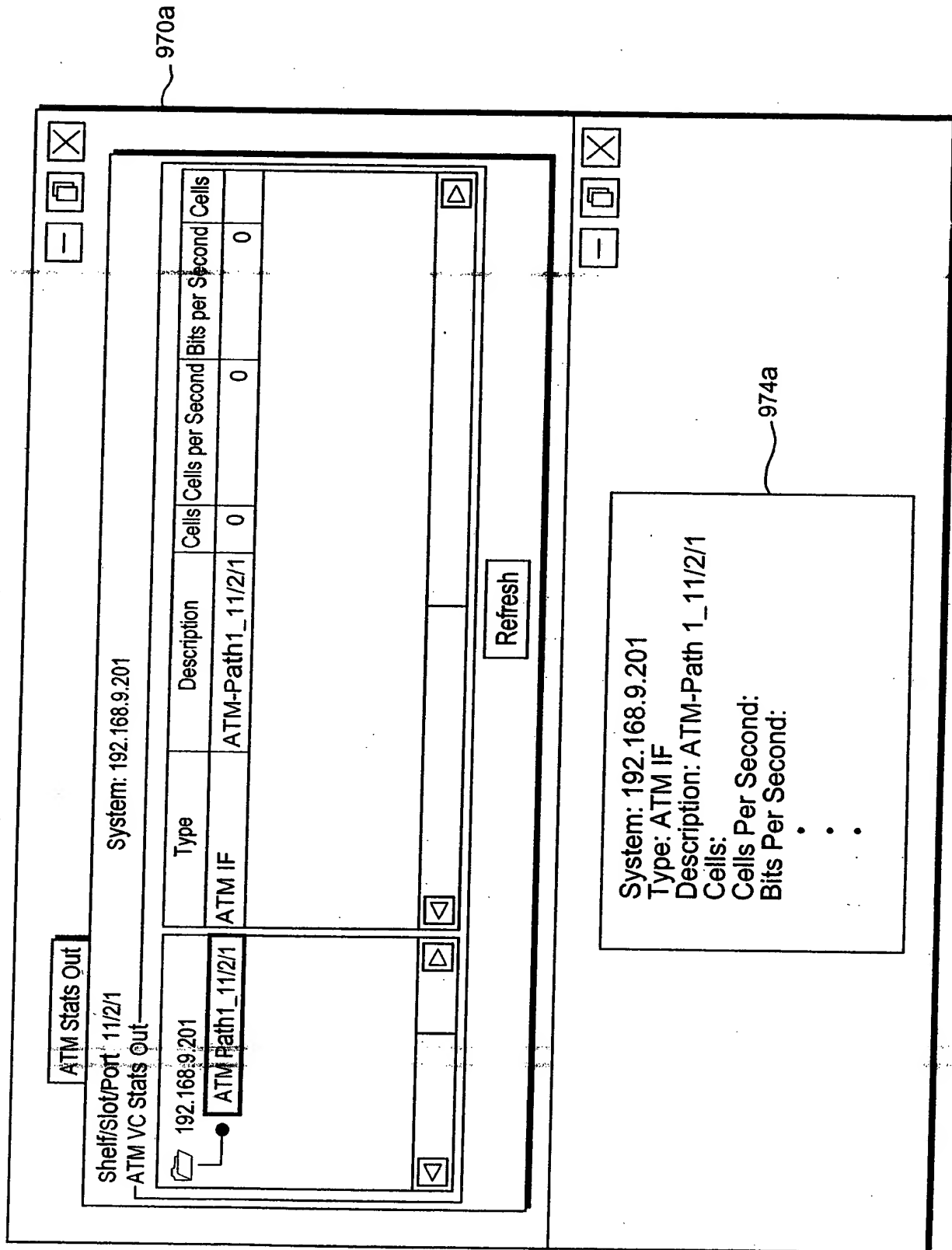


FIG. 9H

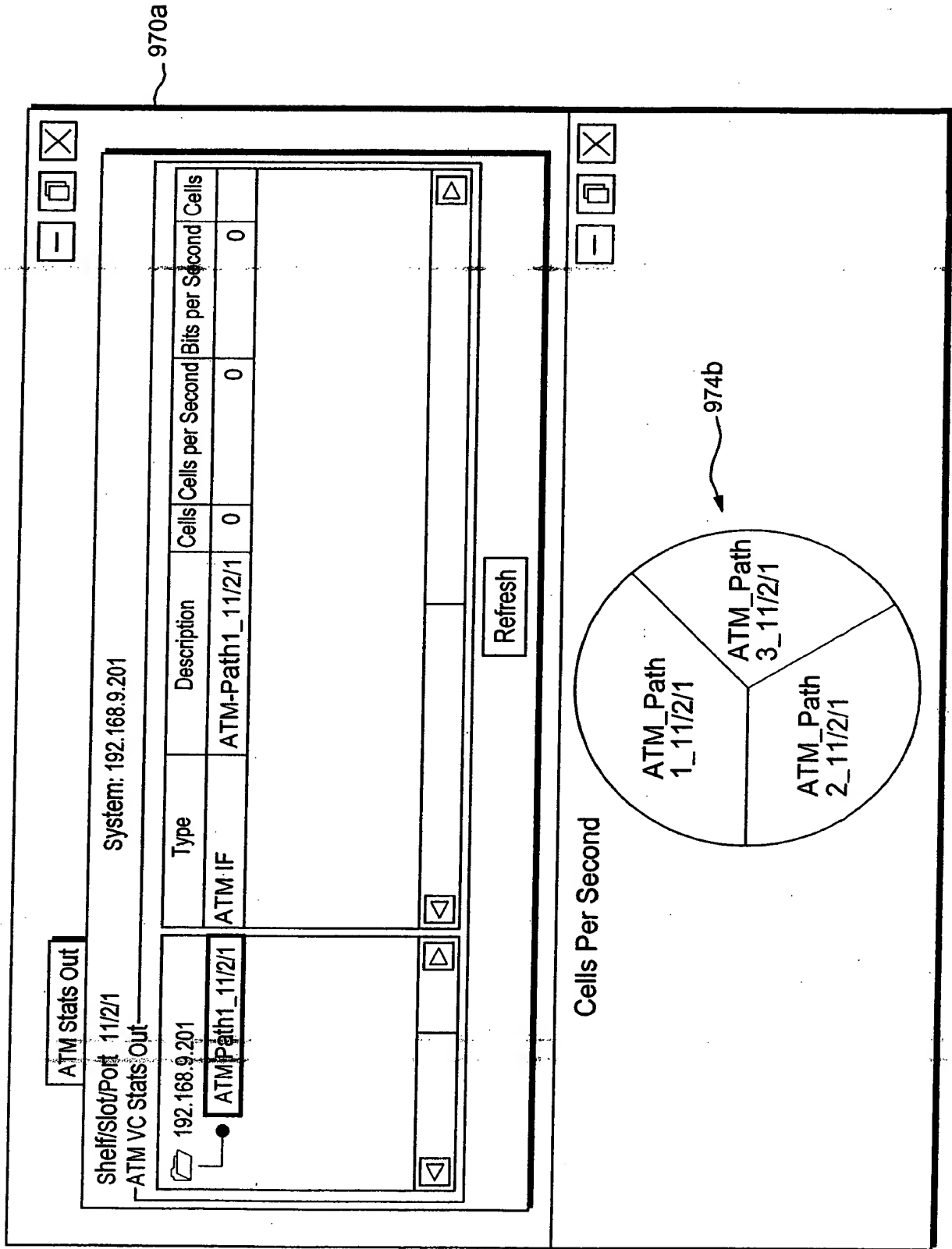


FIG. 9I

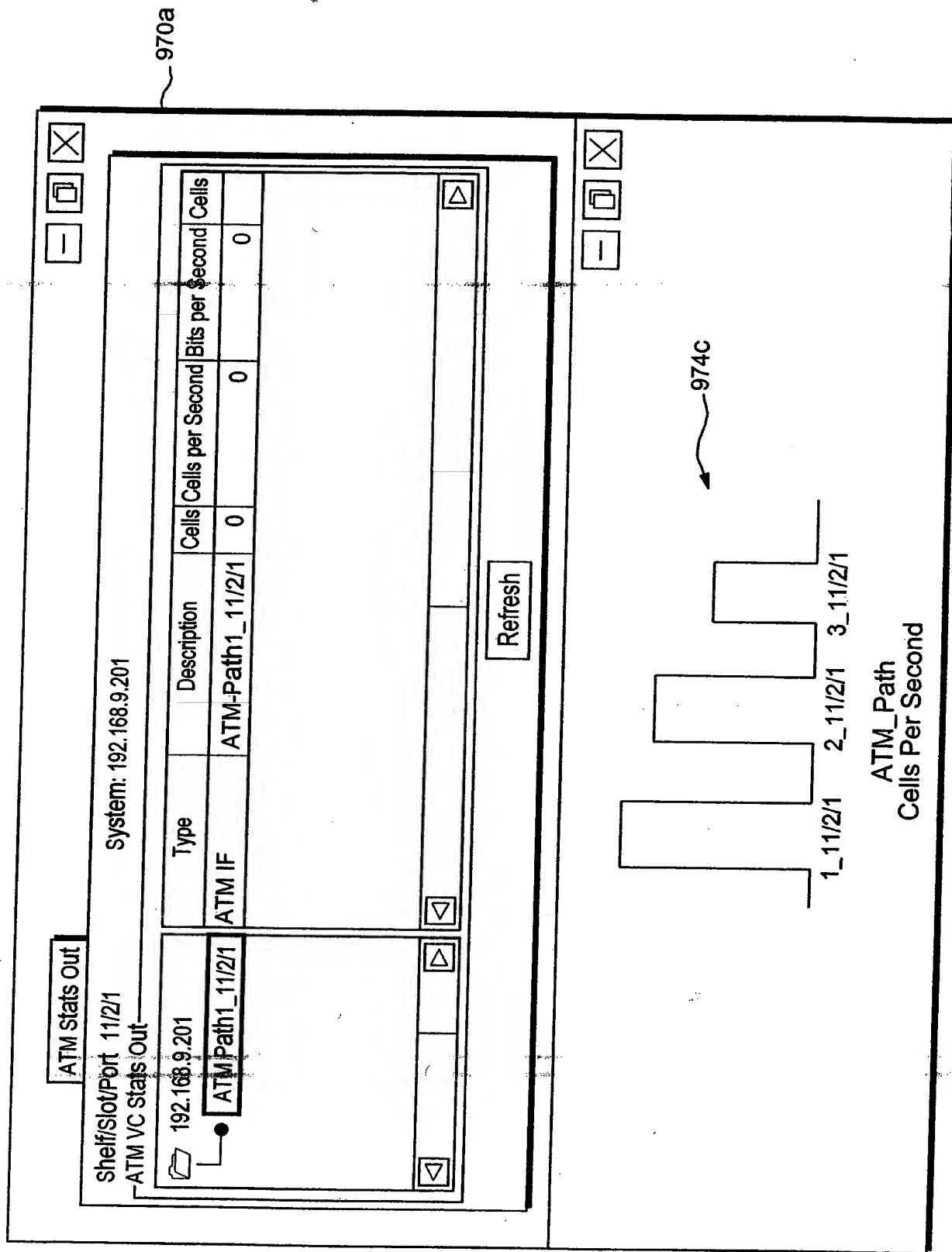


FIG. 9J

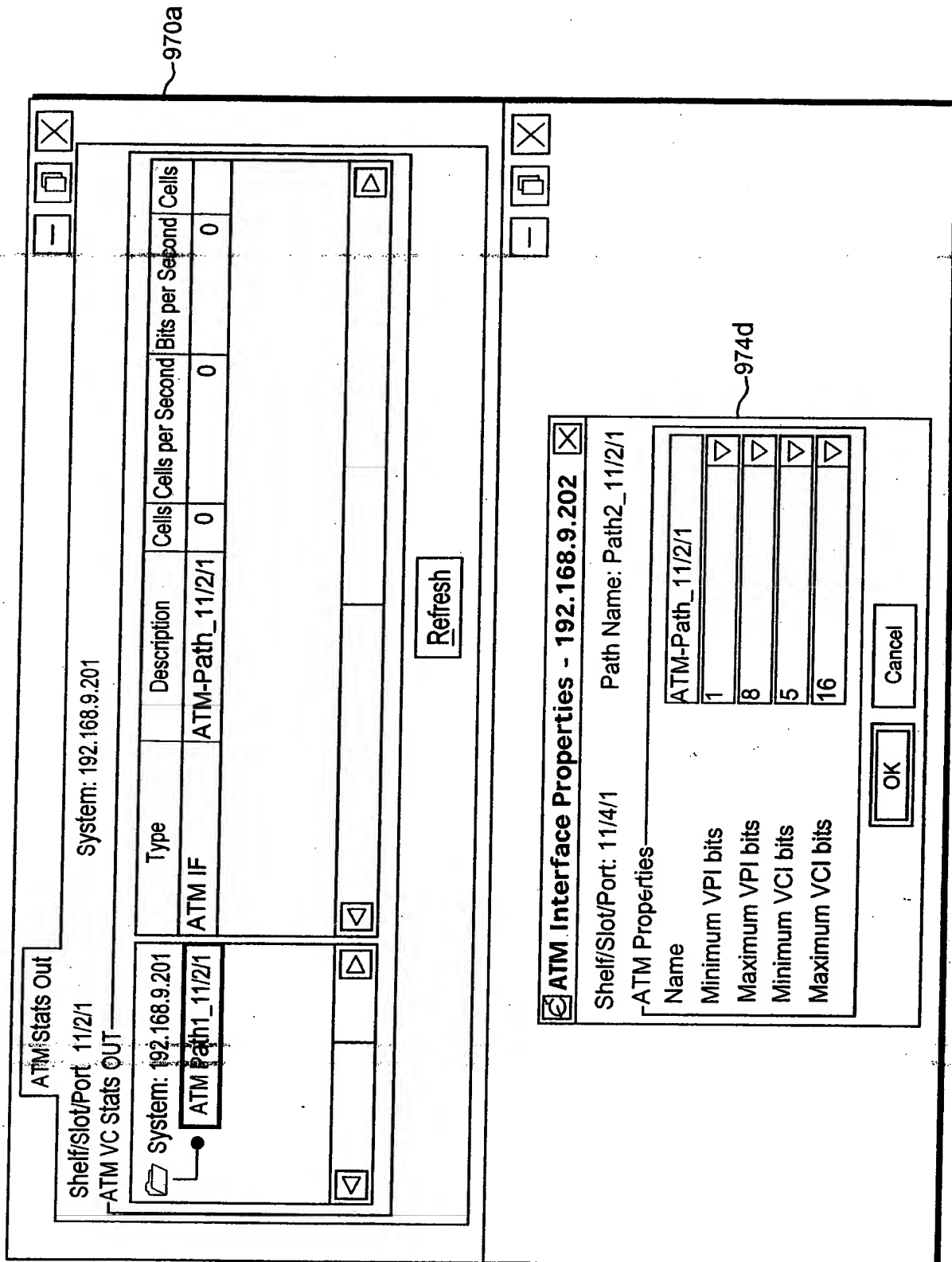


FIG. 9K

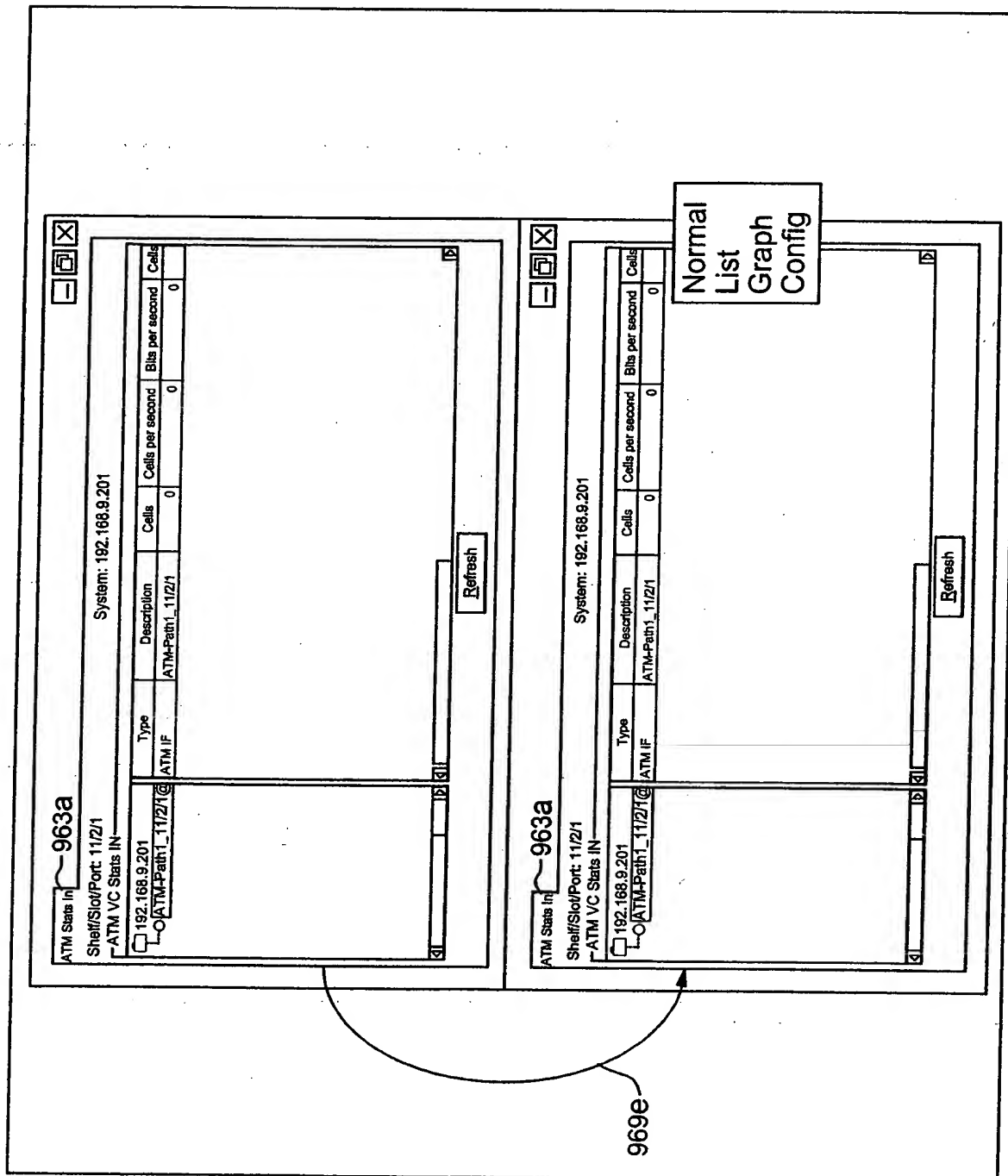
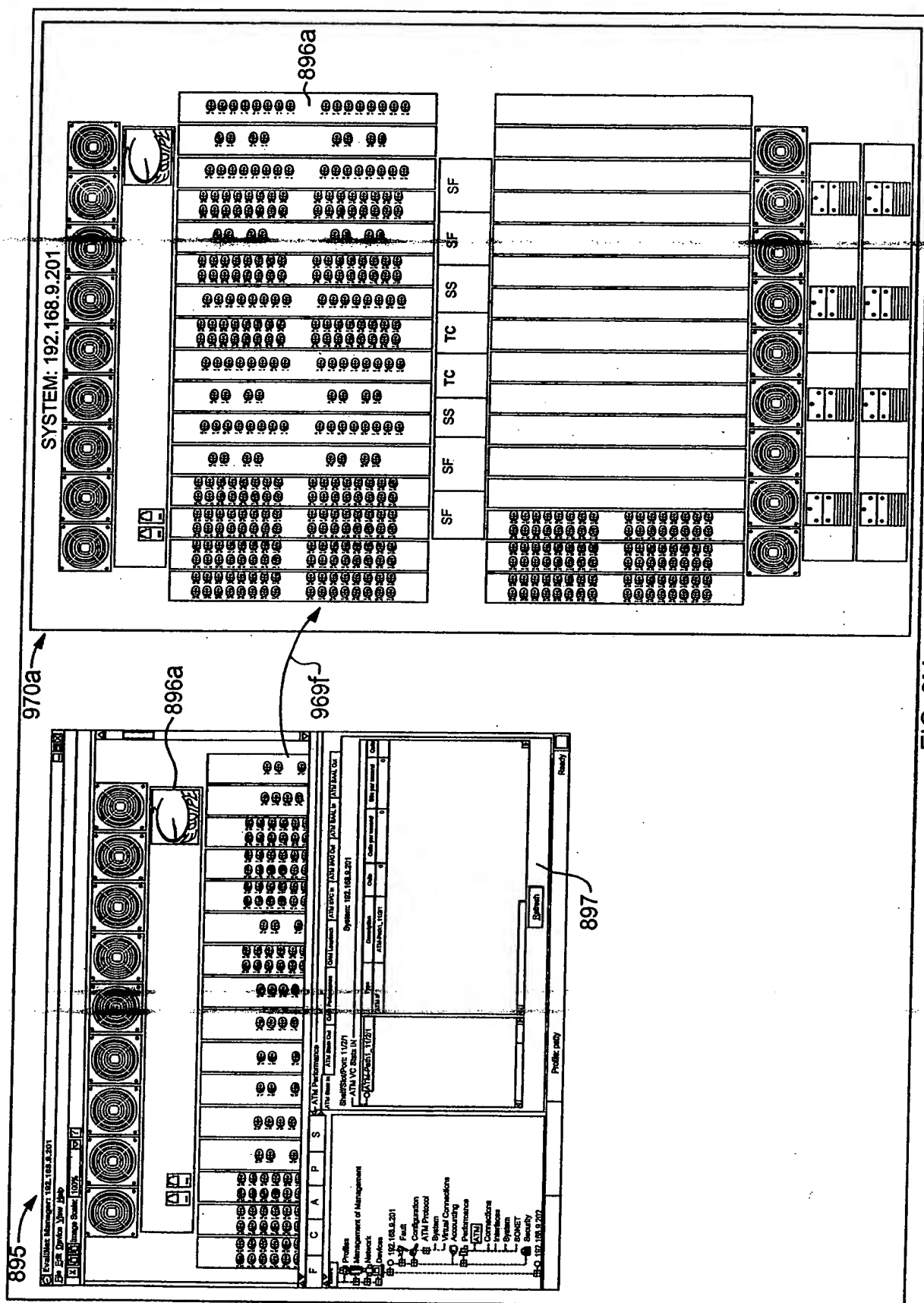


FIG. 9L



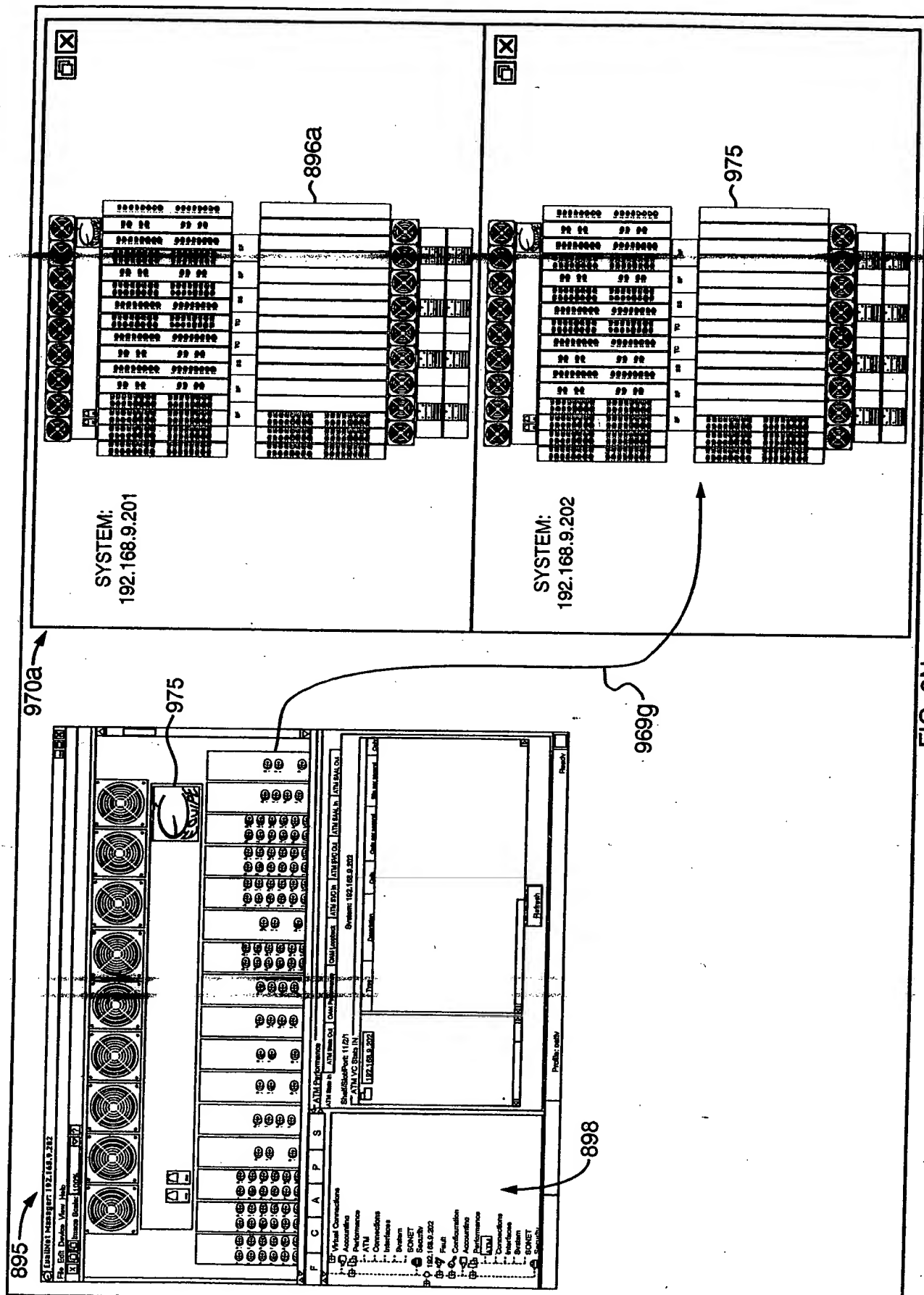


FIG. 9N

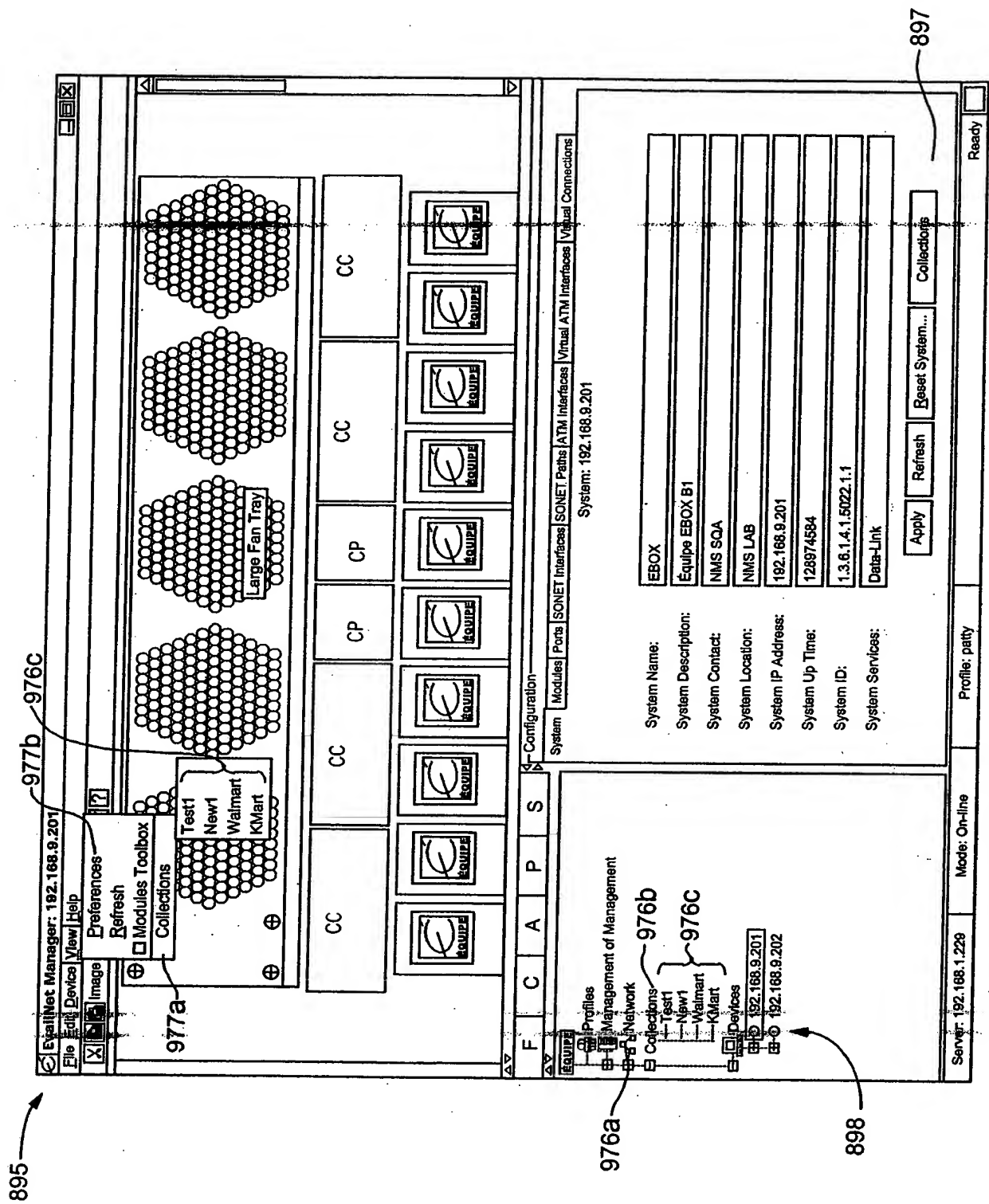
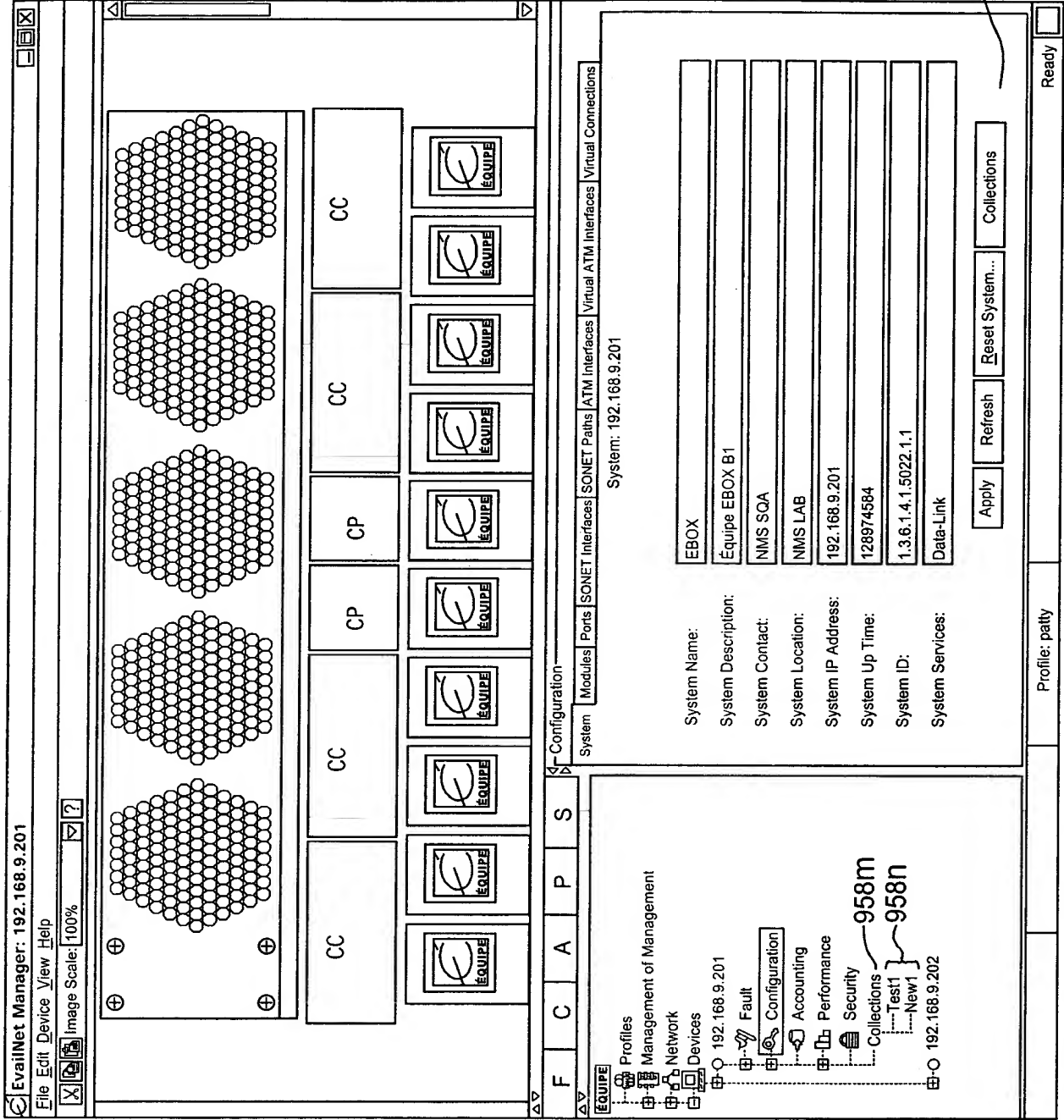


FIG. 10A

895



897

FIG. 10B

895

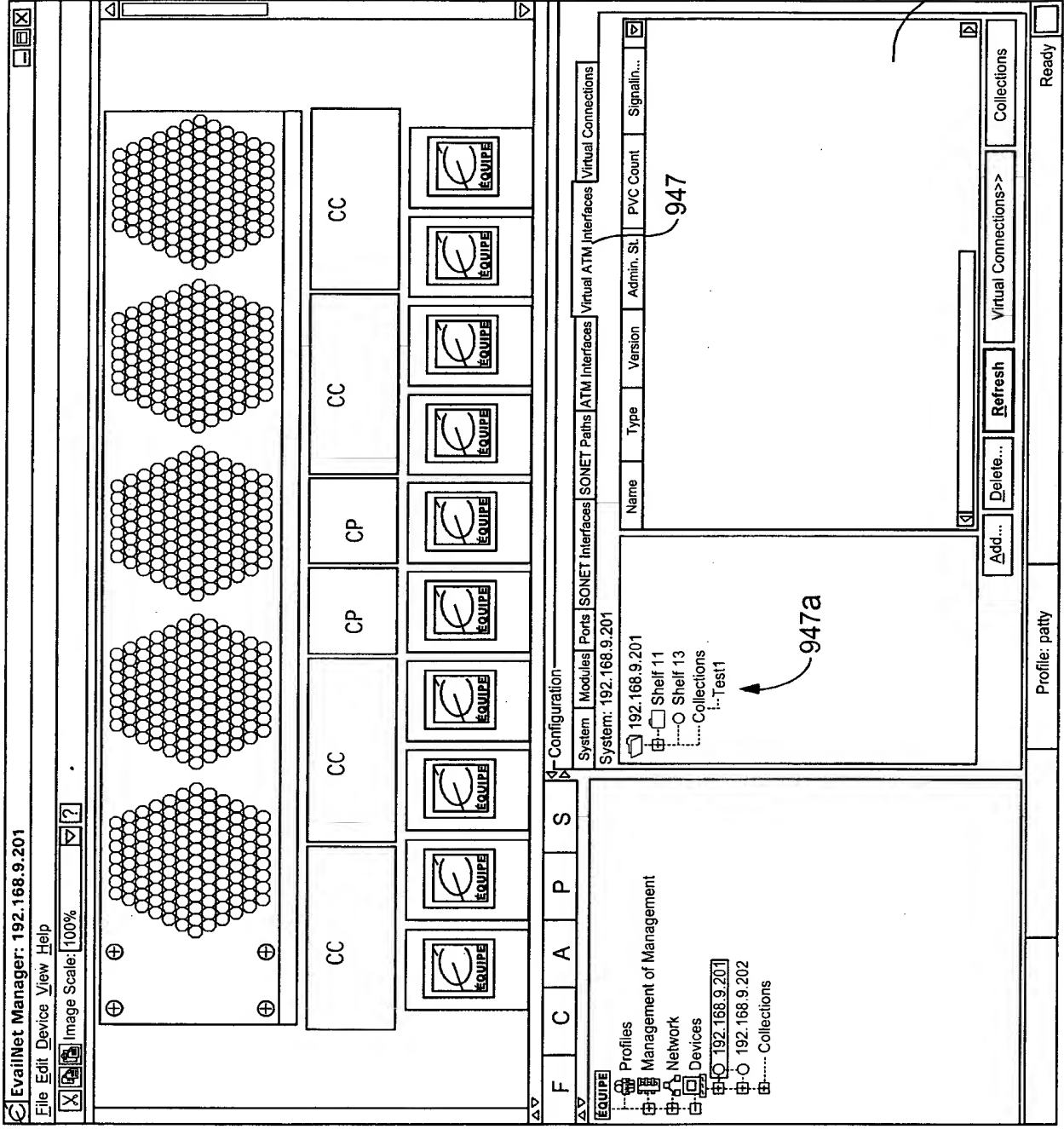


FIG. 10C

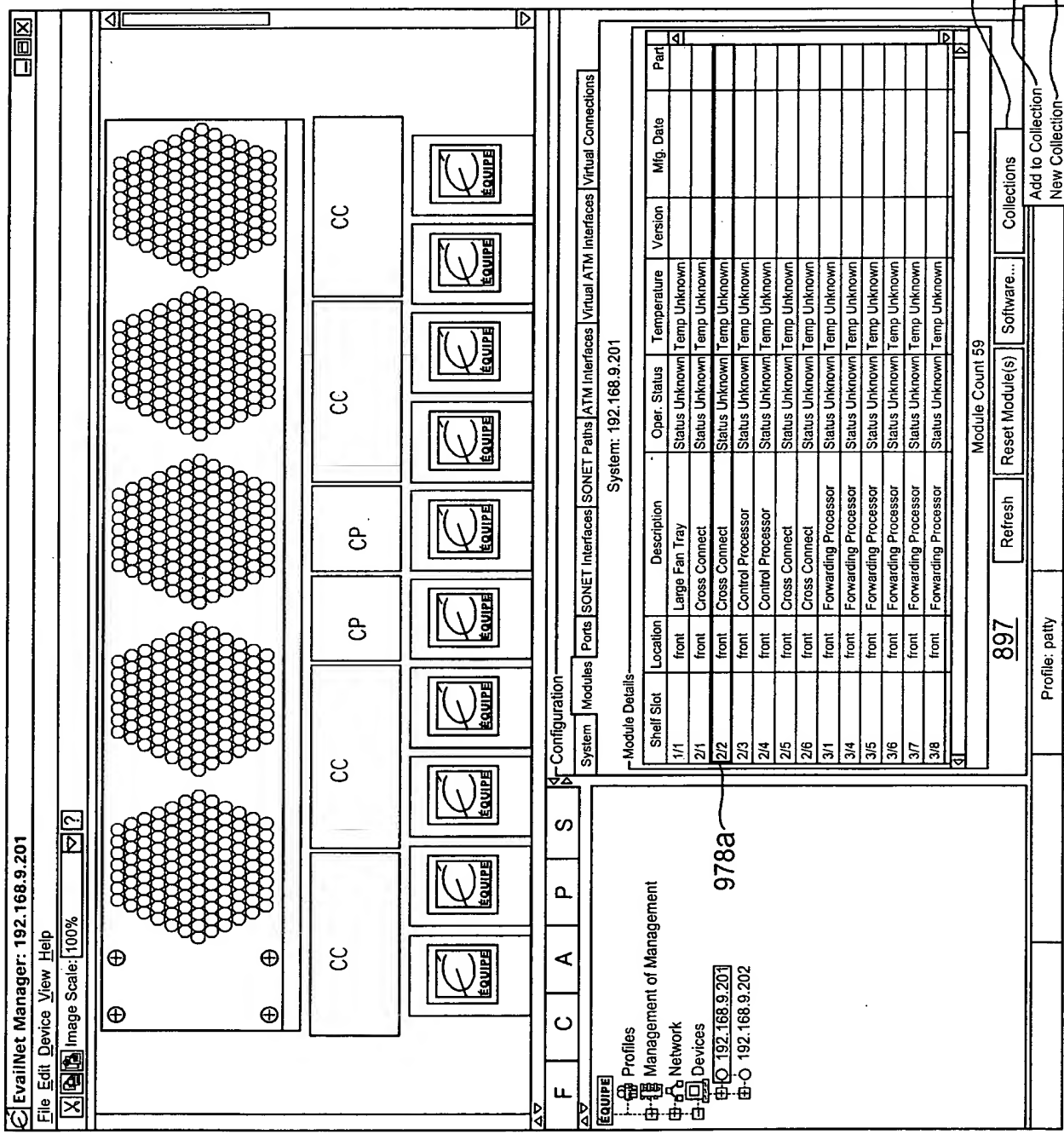
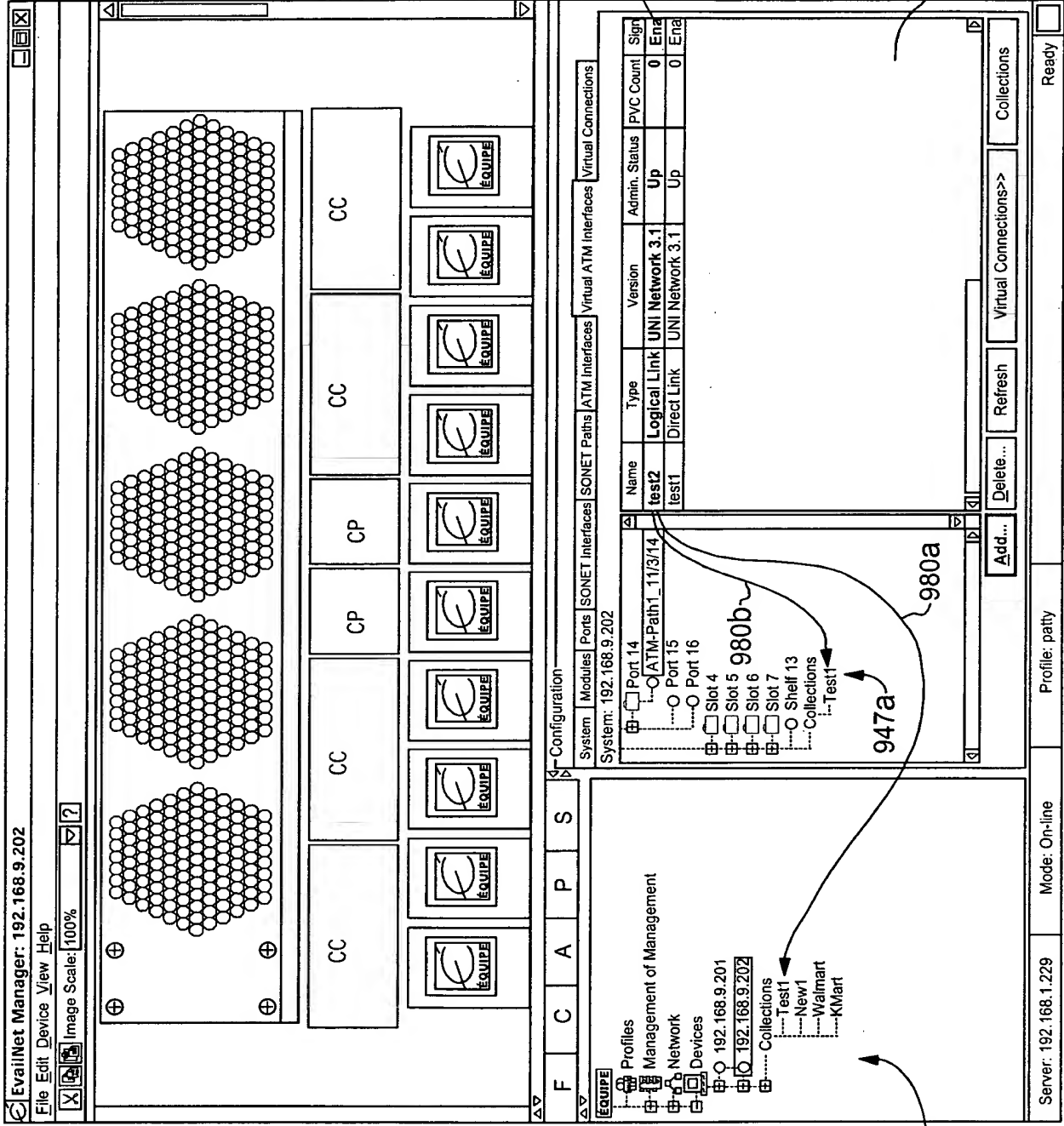


FIG. 10D

895



978b

897

FIG. 10G

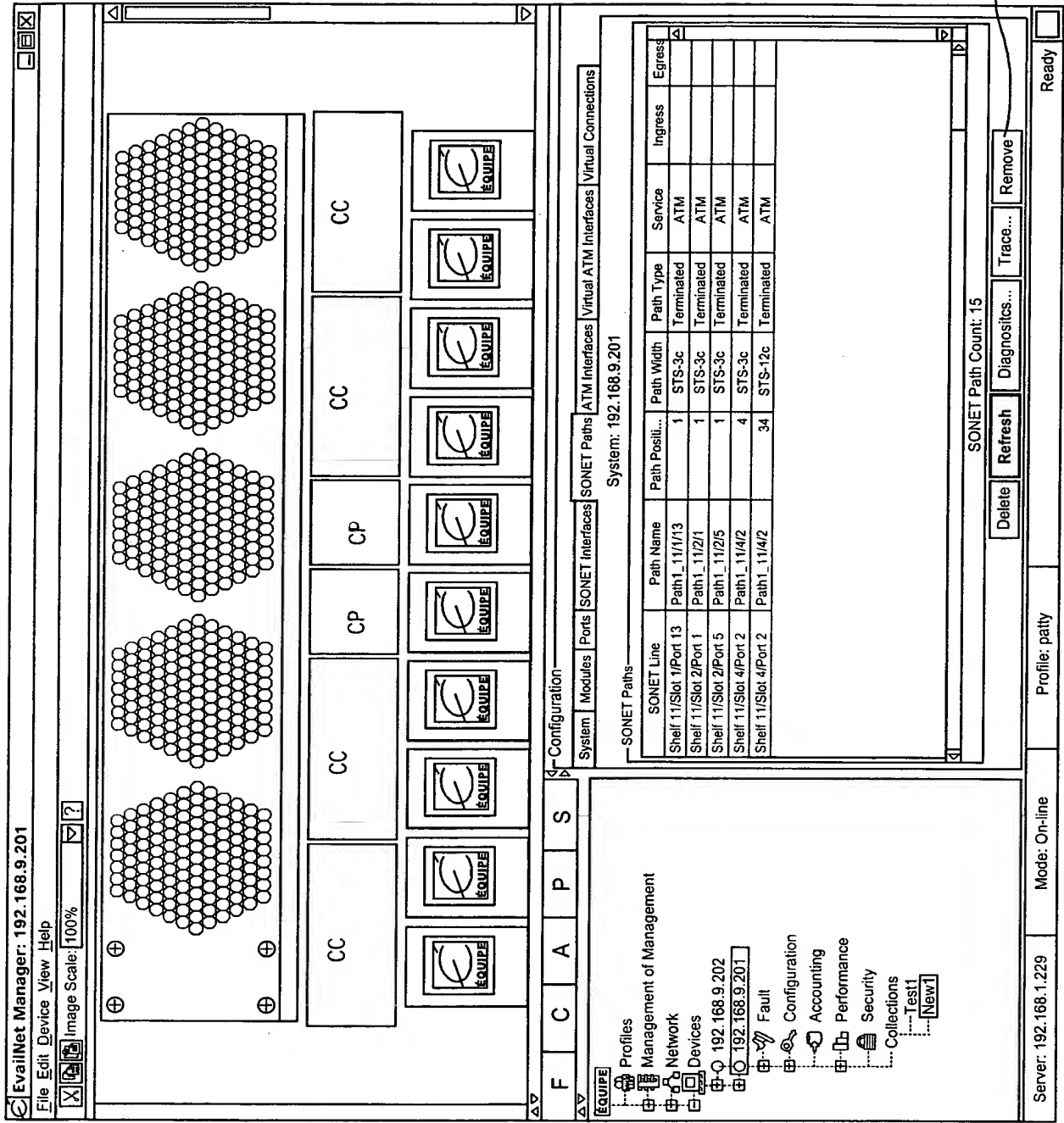


FIG. 10I

903

Profiles

Profile Manager

System: 192.132.60.150

Name	Description	Security Level	Timeout	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.32
Wayne	Wayne Arena	Provisioner	15	TeamServer1:192...	TeamServer2:192.168.1.32

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

TO
FIG. 11B CONTINUED

FIG. 11B

FROM
FIG. 11B

Servers

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.221

6503

908l

908n

908m

908o

908g

Devices

Device	READ	READ/WRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

908p

908q

908r

908s

Add

Delete

908t

OK

Cancel

FIG. 11B CONTINUED

[-] [] [X]

General Policies Servers Devices

Primary Server:
Primary Server Port:
Secondary Server:
Secondary Server Port:

192.168.1.220
6500
192.168.1.205
6503

908t ~ OK Cancel

FIG. 11C

General

Policies

Servers

Devices

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

Add

Delete

908t

OK

Cancel

FIG. 11D

				<input type="button" value="-"/> <input type="button" value="□"/> <input type="button" value="X"/>		
		<div> <div>General</div> <div>Policies</div> <div>Servers</div> <div>Devices</div> </div>				
Username:		Kevin				
Description:		Kevin Snow user account				
Customer Name:		Equipe				
Group Level Access:		<input type="button" value="▽"/>				
Password:		*****				
Confirm Password:		*****				
		<div> <div>908t</div> <div>OK</div> <div>Cancel</div> </div>				

FIG. 11E

General Policies Servers Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: Minutes

OK Cancel

FIG. 11F

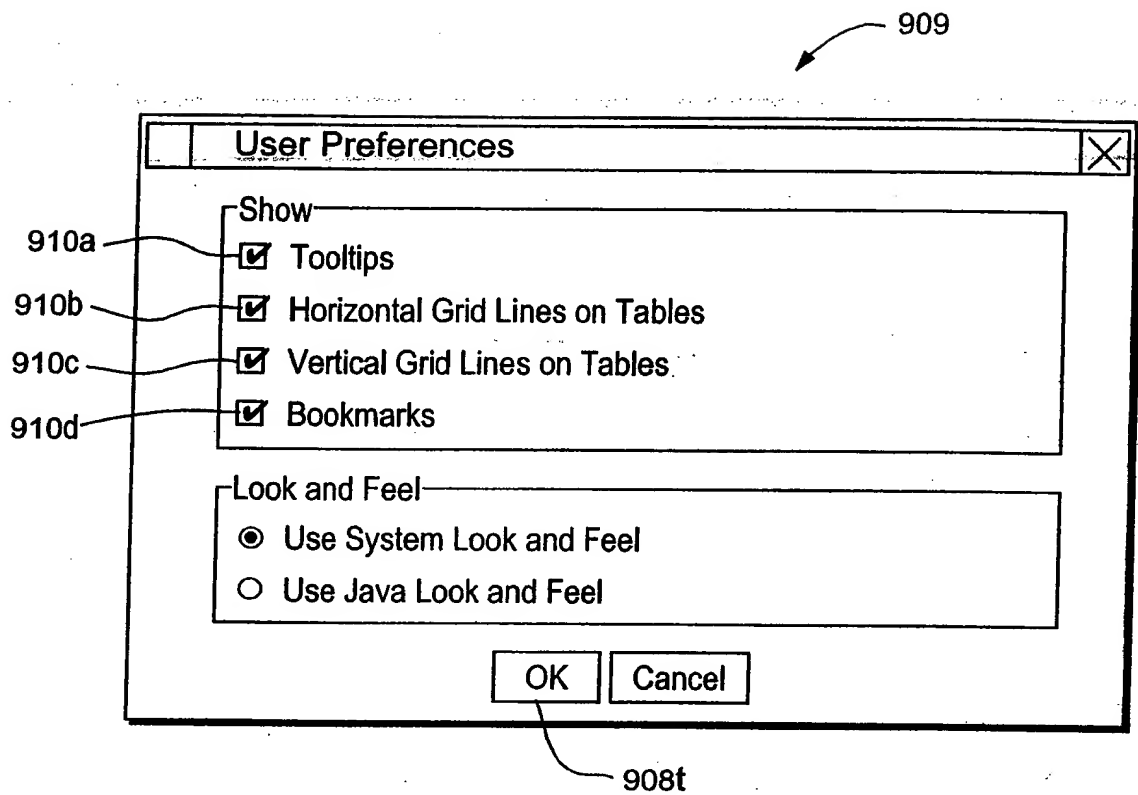


FIG. 11G

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: Minutes 908k

TO
FIG. 11H CONTINUED

FIG. 11H

FROM
FIG. 11H

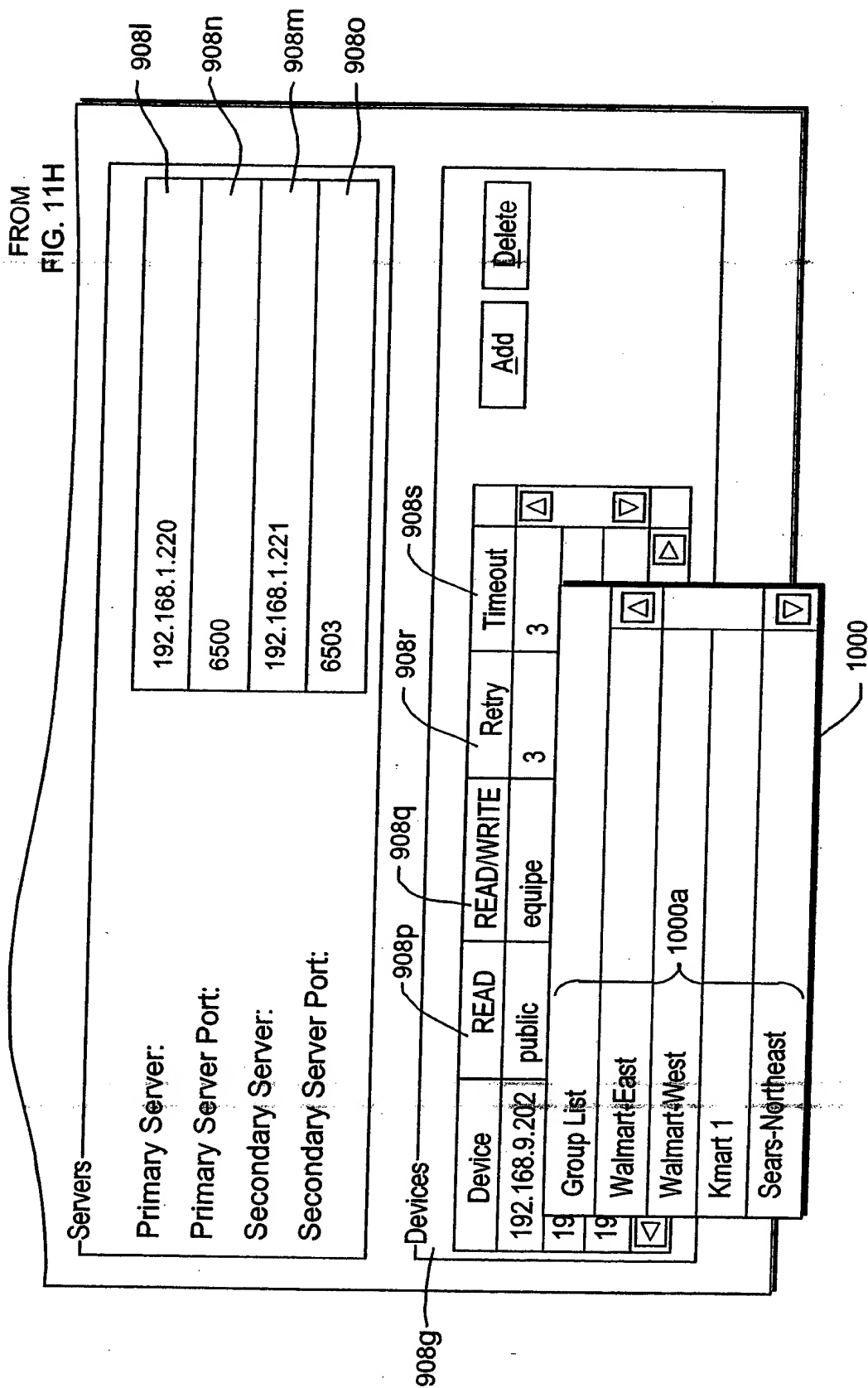


FIG. 11H CONTINUED

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8

Port 5

Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

4

STS-3C

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12C

1002d

OK

Cancel

1002e

Group Name:

1002b

1002c

FIG. 111

1002

EvailNet Manager: SONET Path Configuration - 11/8/5

SONET Line

System: 192.168.9.201

Slot 8 Port 5 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☒ **Configure**

4

paths

☐ Custom Configuration

STS-3c

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/8/5	1	STS-3c	Termin.	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Termin.	ATM		
11/8/5	Path3_11/8/5	7	STS-3c	Termin.	ATM		
11/8/5	Path4_11/8/5	10	STS-3c	Termin.	ATM		

1002e

Modify

Graphical Representation

Position

Width

1

4

7

10

STS-3c

STS-3c

STS-3c

STS-3c

Group Name:

1002b

1002c

1002d

OK

Cancel

1002a

FIG. 11J

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot

8

Port

5

Type

OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3c

▼

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

1002e

Modify

Graphical Representation

Position

1

Width

STS-12c

1002d

OK

Cancel

1002b

Group Name:

1002c

▼

1002a

FIG. 11K

MANAGED RESOURCE GROUP TABLE 1008

LID	MANAGED DEVICE PID	GROUP NAME
1145	1	WALMART-EAST
⋮	⋮	⋮

FIG. 11L

MANAGED RESOURCE TABLE 1007

LID	RESOURCE LID	MANAGE RESOURCE GROUP LID
4443	901	1145
⋮	⋮	⋮

FIG. 11M

Add V-ATM Interface - 192.168.9.201 [X]

Shelf/Slot/Port: 11/4/2 Path Name: Path2_11/4/2

Virtual ATM Interface Parameters

Name (Alias):	
Connection Type:	Direct Link [v]
Version:	UNI Network 3.1 [v]
Admin. Status:	Up [v]
Group Name:	[v]

[OK] [Cancel]

1004

1004a

1004b

1004c

FIG. 11N

Source: 192.168.9.201 Destination: 192.168.9.201

End Point 1

- 192.168.9.201
 - Shelf 11
 - Slot 1
 - Slot 2
 - Slot 3
 - Slot 4
 - Port 1
 - Port 2
 - ATM-Path2_11/4/2

End Point 1

- 192.168.9.201
 - Shelf 11
 - Shelf 13

Connection Parameters

Connection Name:

Admin Status: 1006b

Group Name: Group List

End Point 1 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor: Add Traffic Descriptor...

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor: Add Traffic Descriptors...

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

<Back Finish Cancel

1006c

FIG. 110

USER TABLE 1010

1010a	1010b		1010c	1010d	1010e
	LID	USERNAME	PASSWORD	GROUP LEVEL ACCESS	
	2012	DAVE	MARBLE	PROVISIONER	
	⋮	⋮	⋮		

FIG. 11P

USER MANAGED DEVICE TABLE 1012

1012a	1012b		1012c	1012d	1012e
	LID	USER LID	HOST LID	RETRY	TIMEOUT
	7892	2012	9046		
	⋮	⋮	⋮	⋮	⋮

FIG. 11Q

ADMINISTRATION MANAGED DEVICE TABLE 1014

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:

FIG. 11R

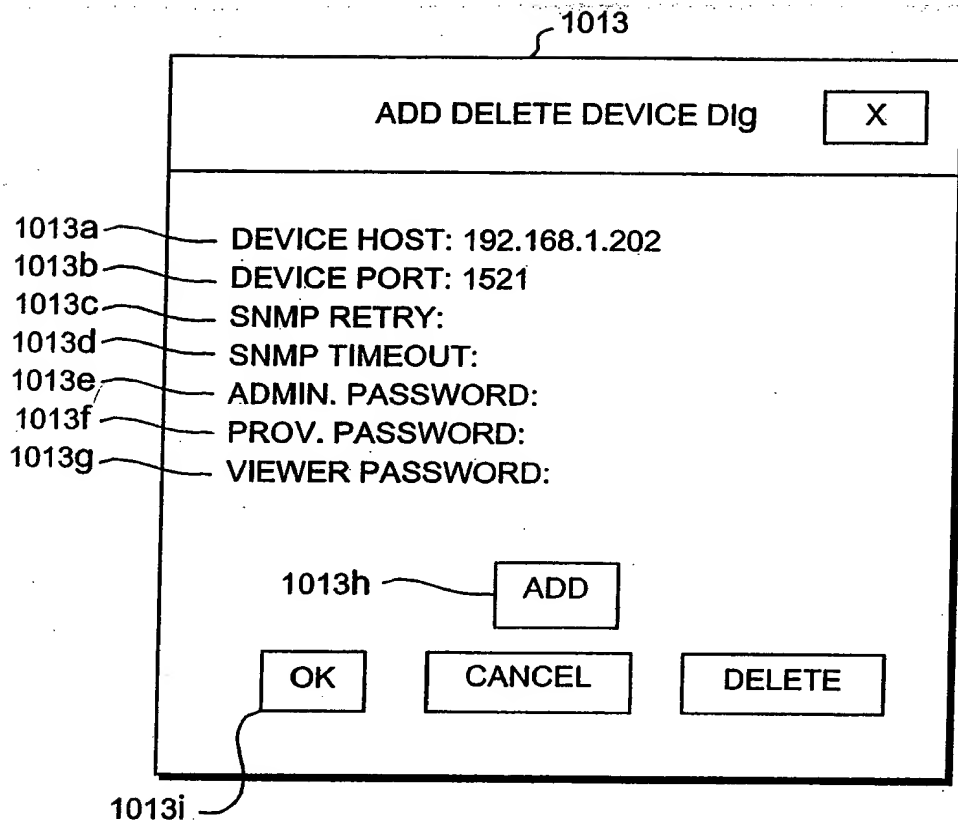


FIG. 11S

USER RESOURCE GROUP MAP TABLE 1016

LID	USER LID	USER RESOURCE GROUP LID
8086	2012	1024
⋮	⋮	⋮

FIG. 11T

USER RESOURCE GROUP TABLE 1018

LID	HOST LID	GROUP NAME
1024	9046	WALMART-EAST
⋮	⋮	⋮

FIG. 11U

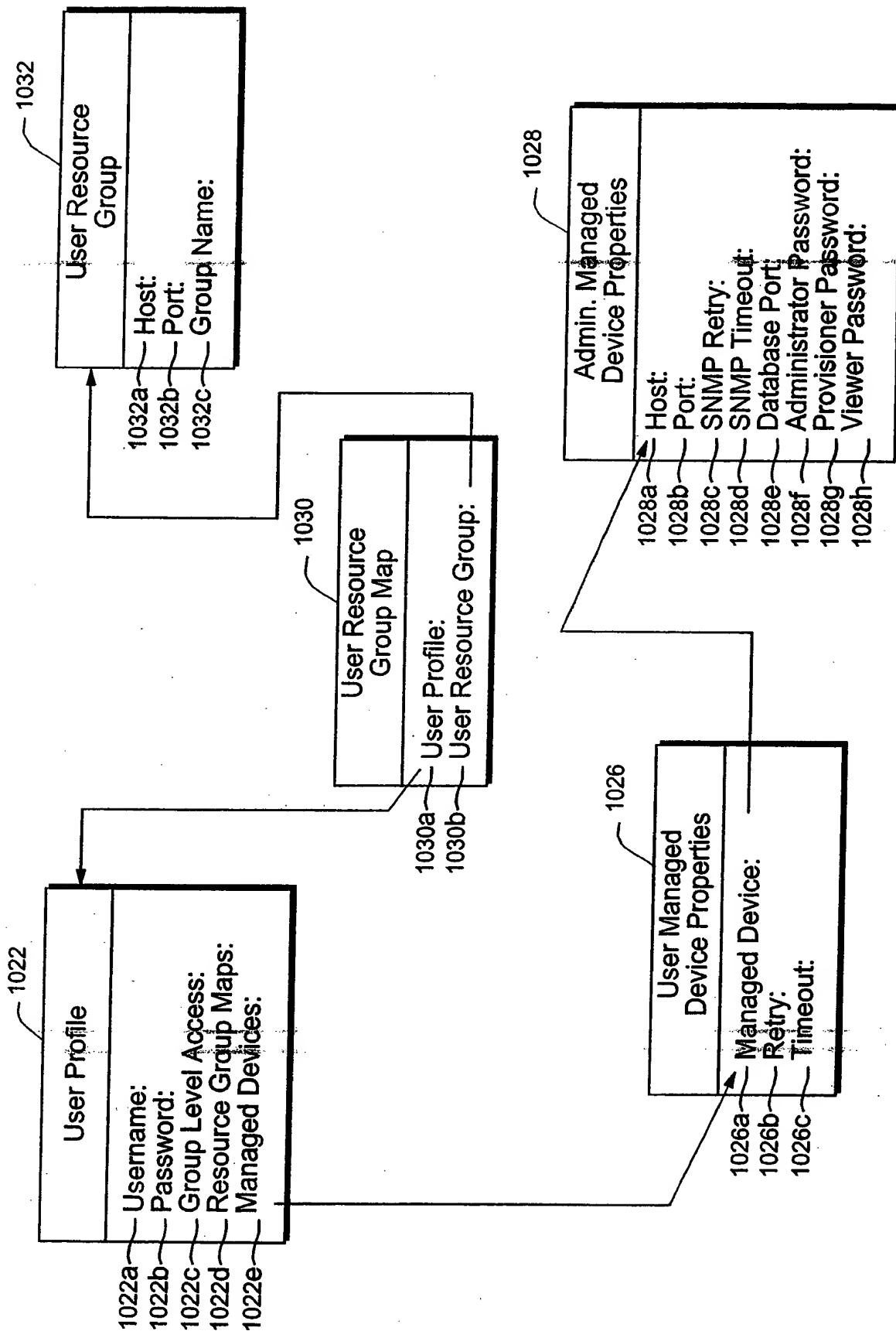


FIG. 11V

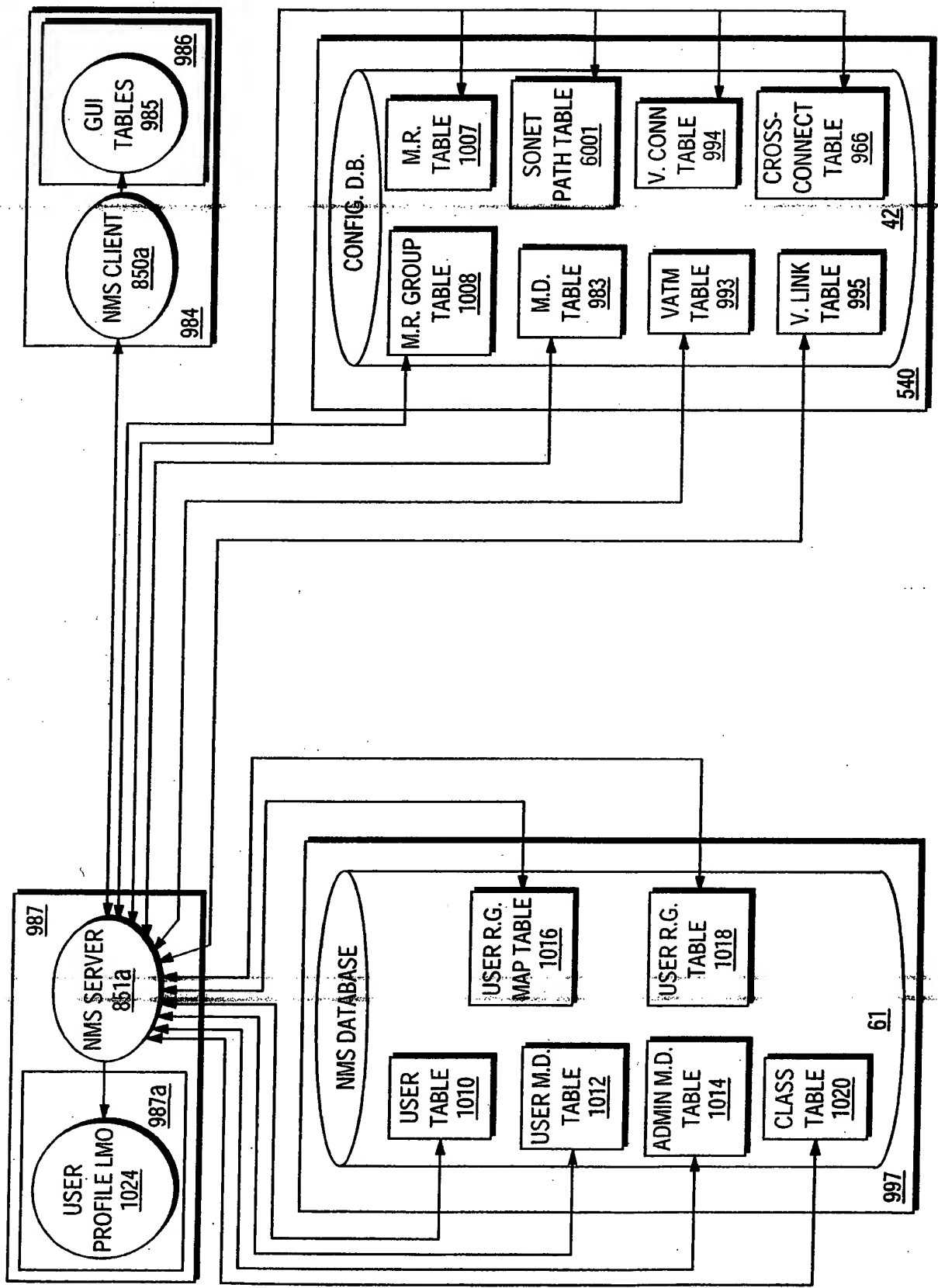


FIG. 11W

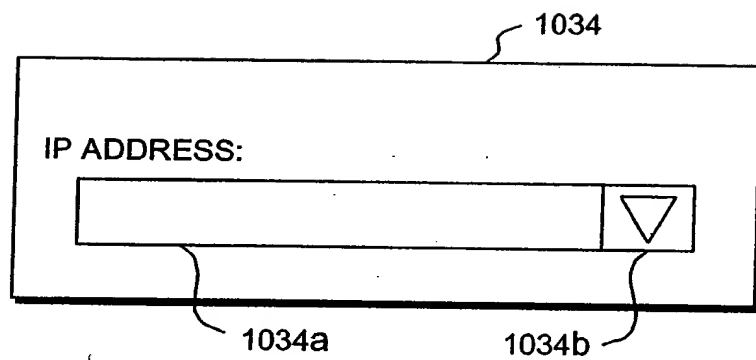
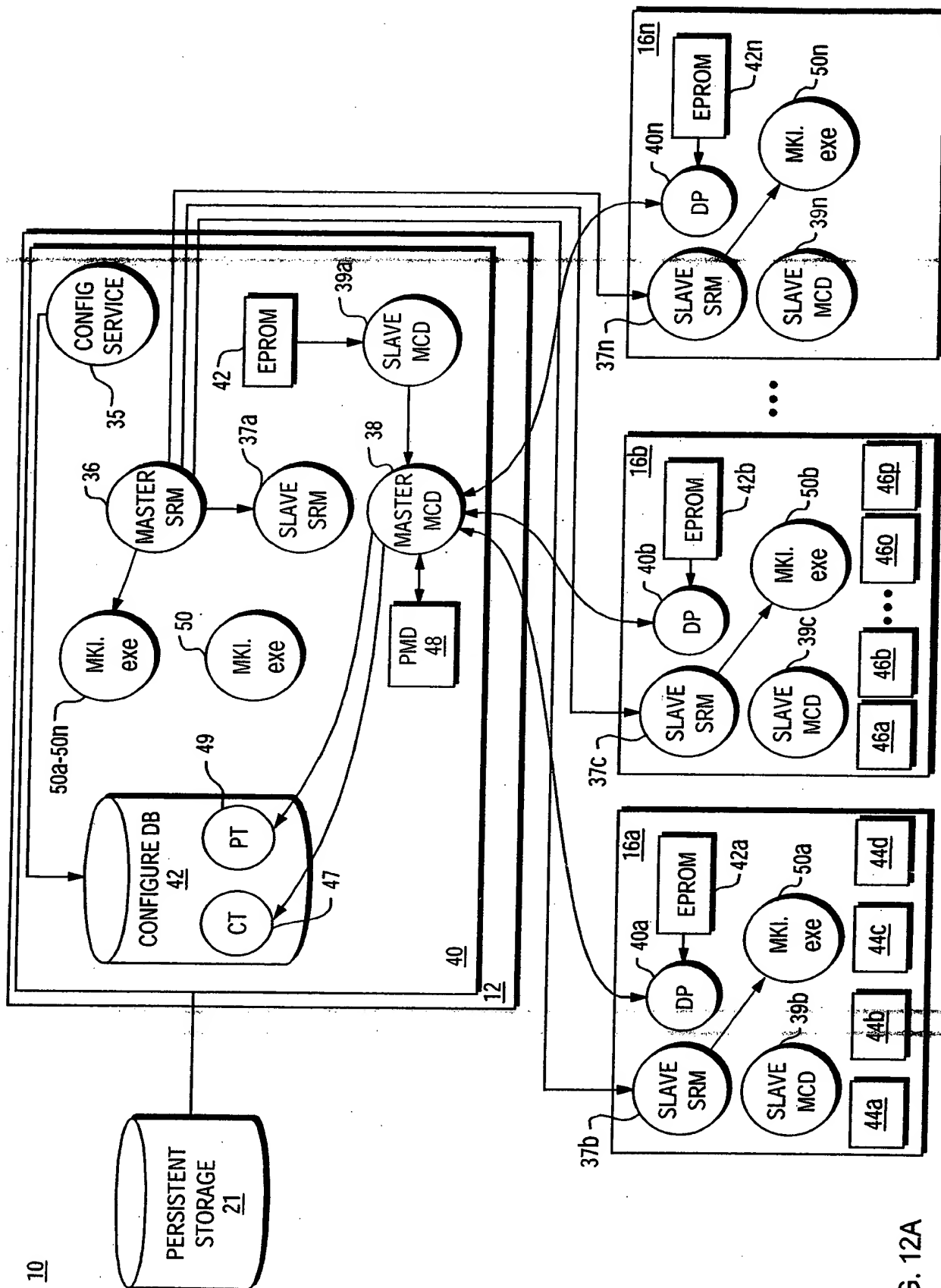


FIG. 11X



CARD TABLE 47

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

PORT TABLE 49

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

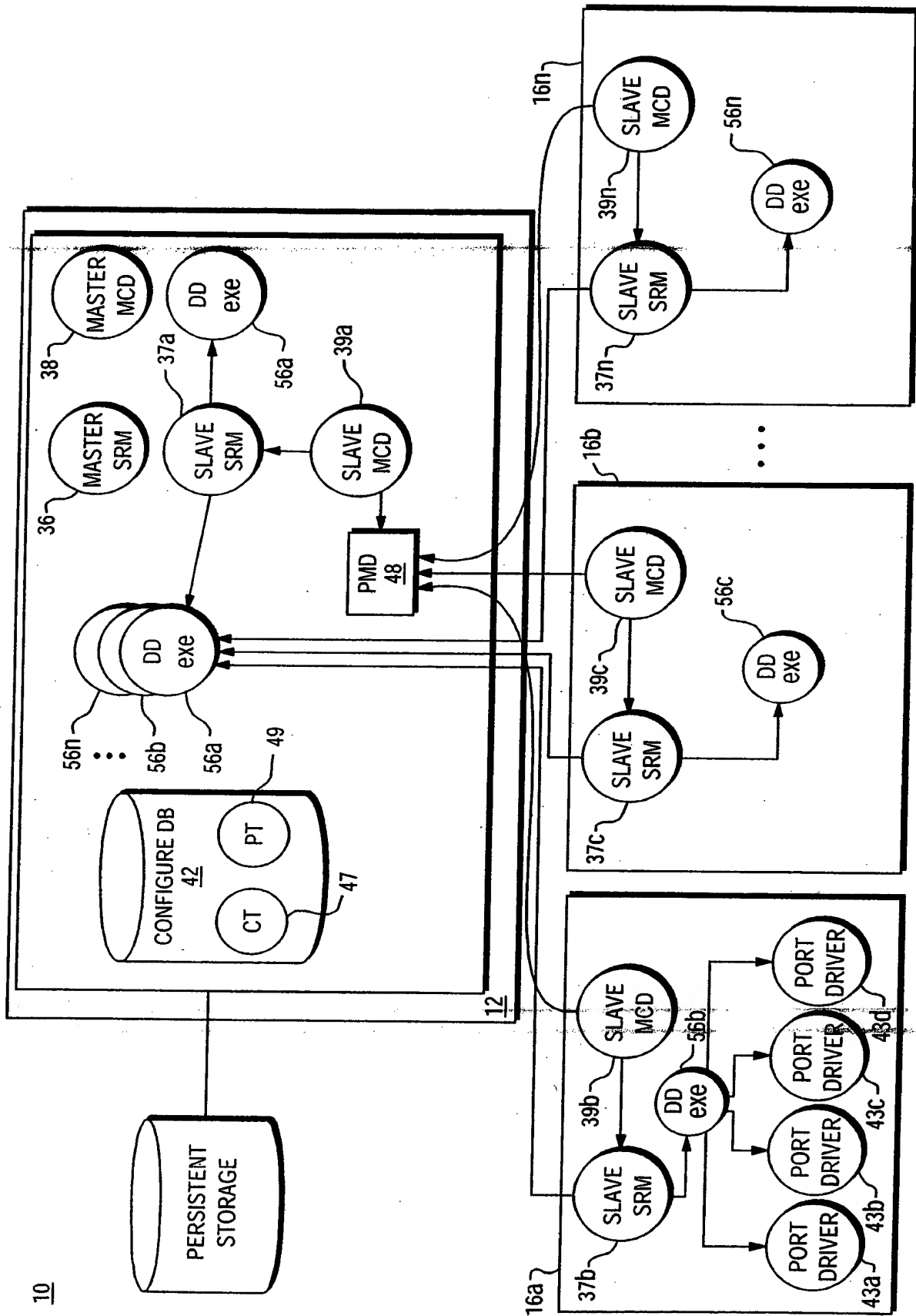


FIG. 13A

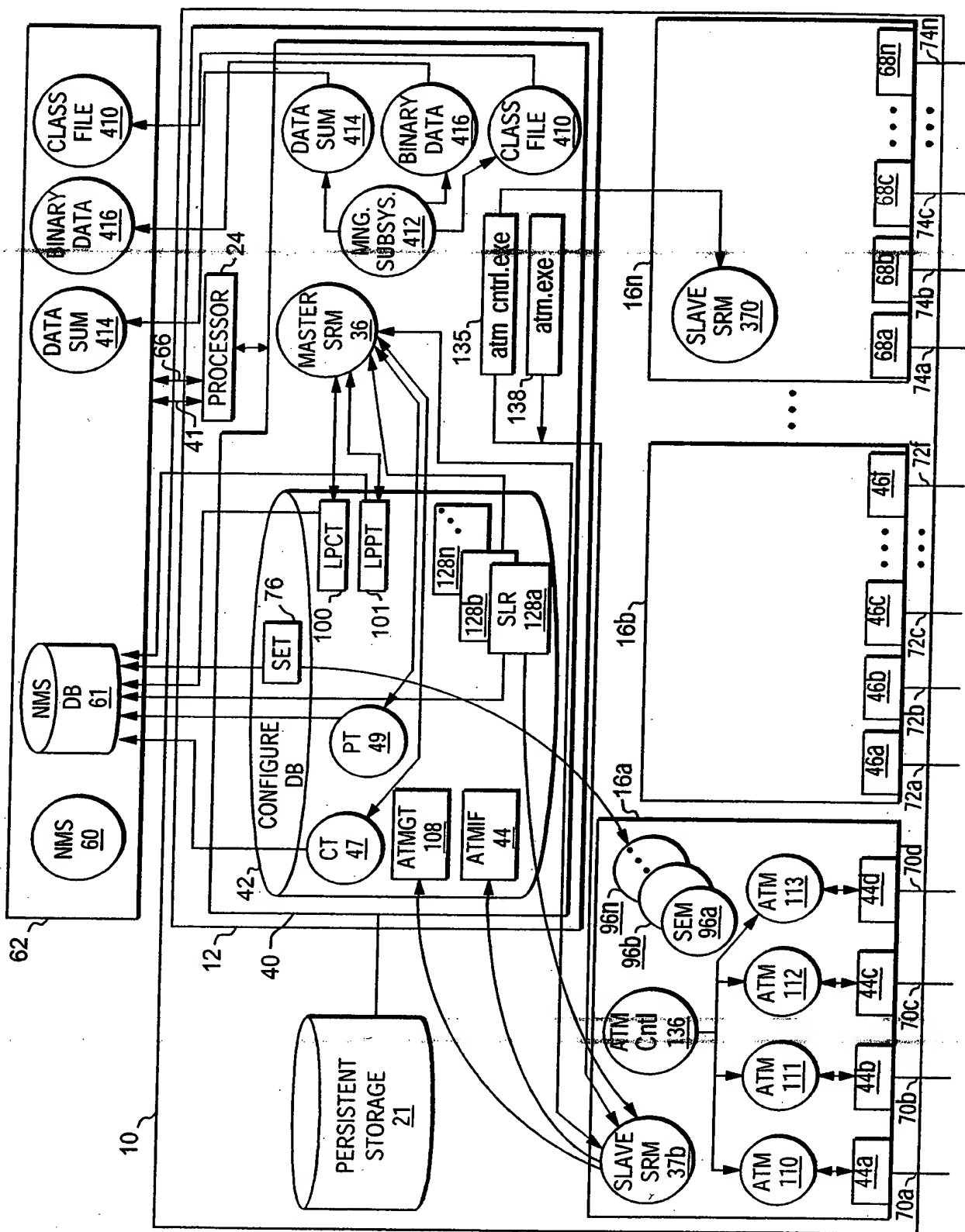


FIG. 13B

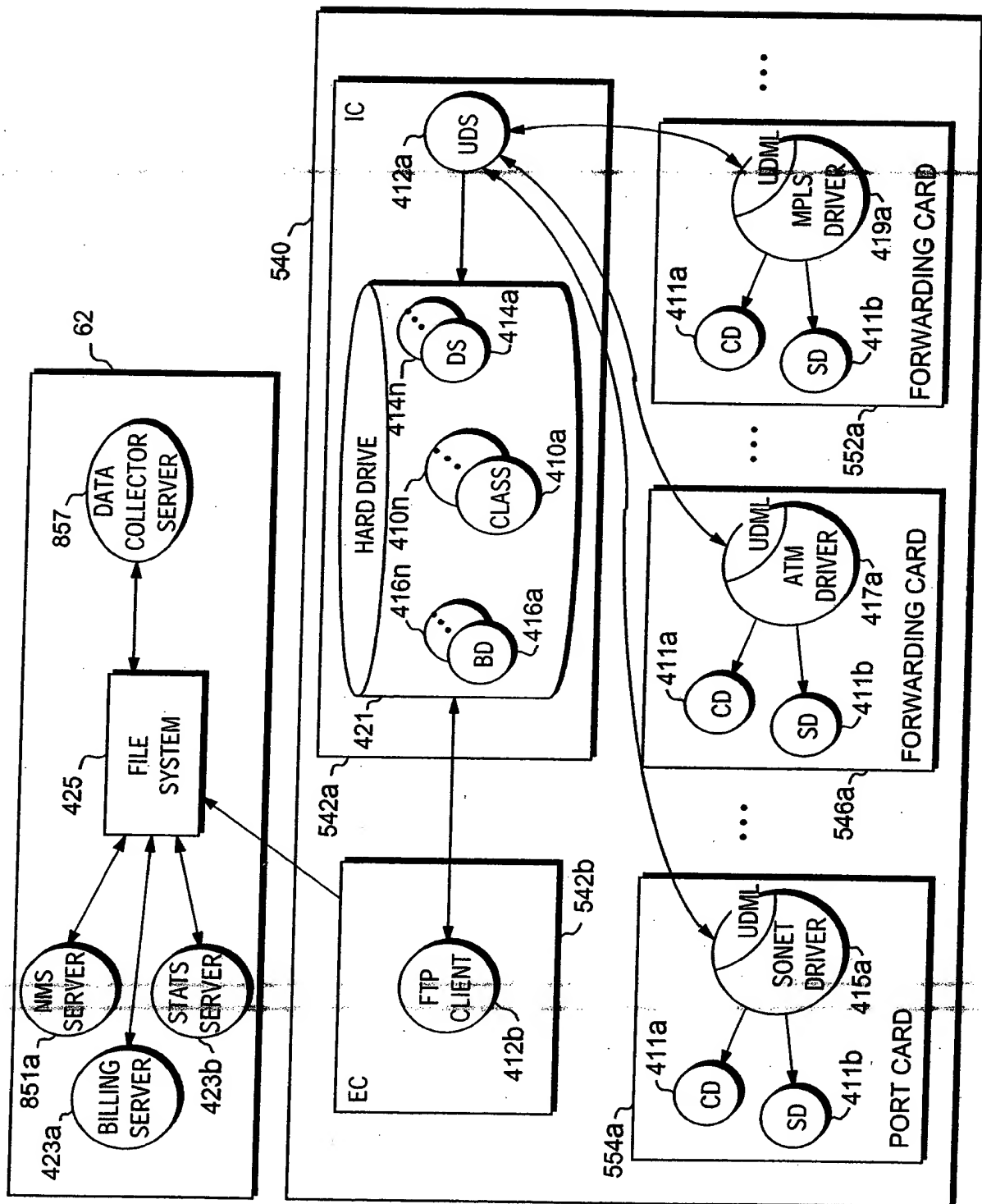


FIG. 13C

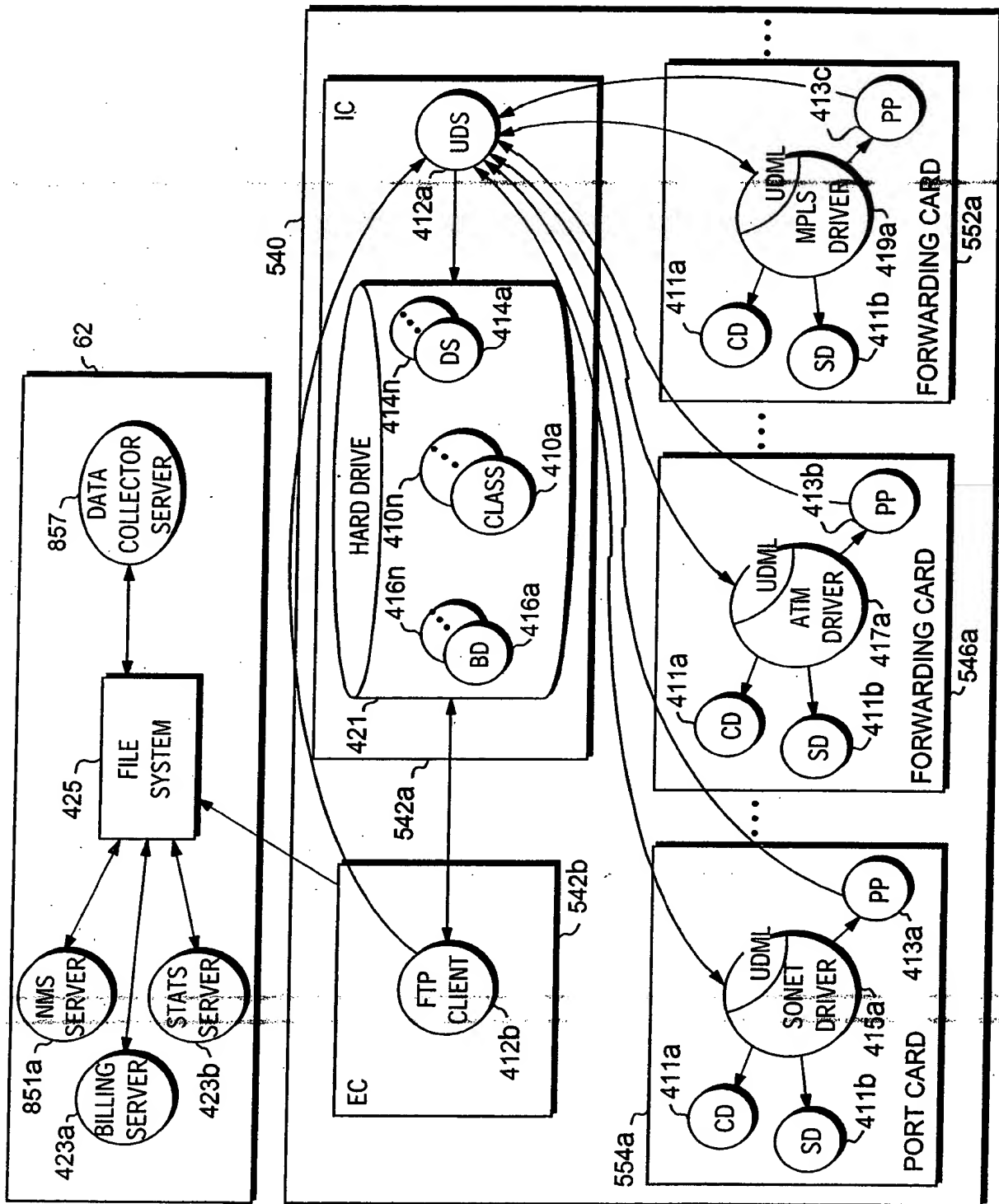


FIG. 13D

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮
	⋮	⋮

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14C

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

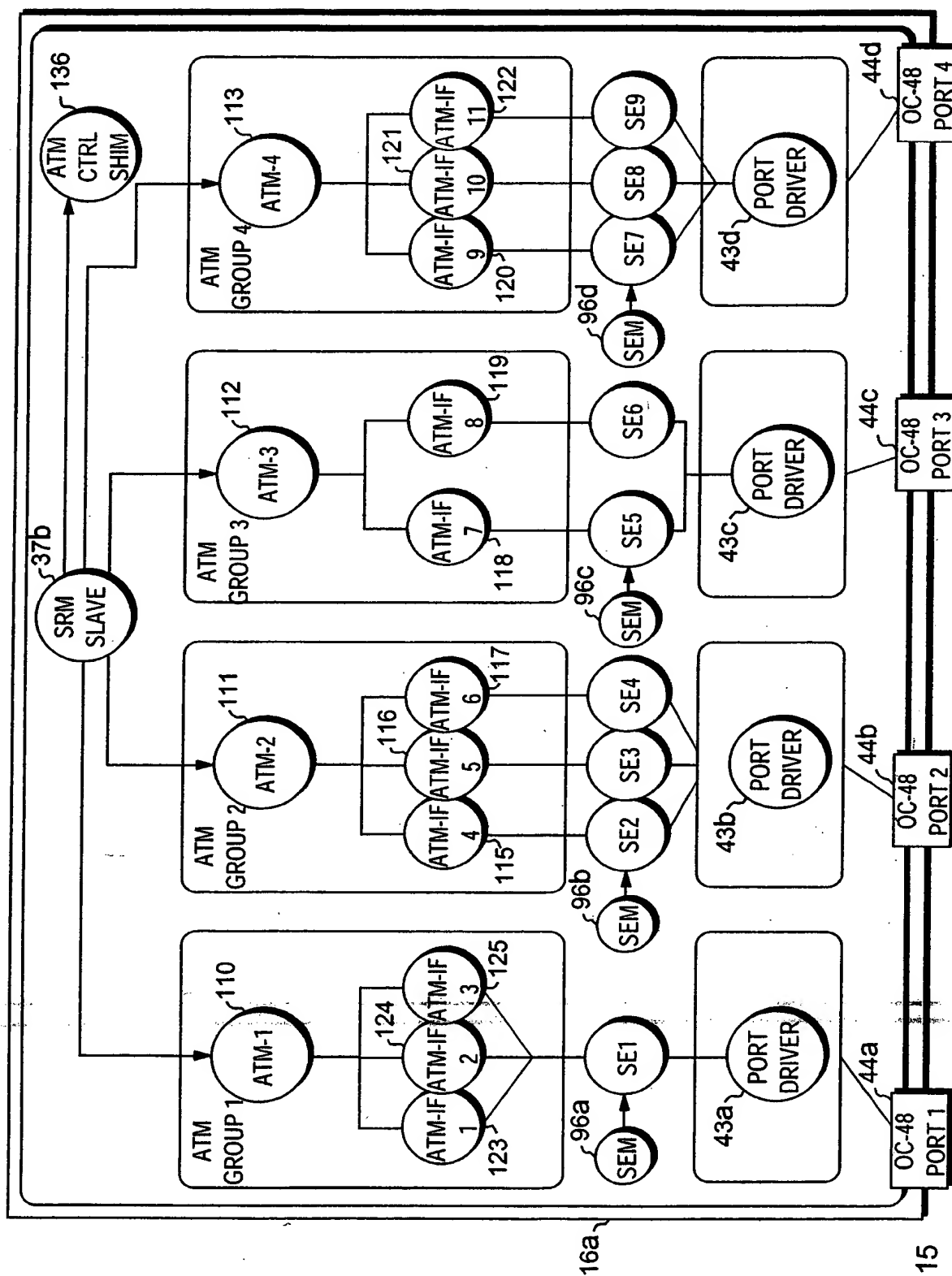


FIG. 15

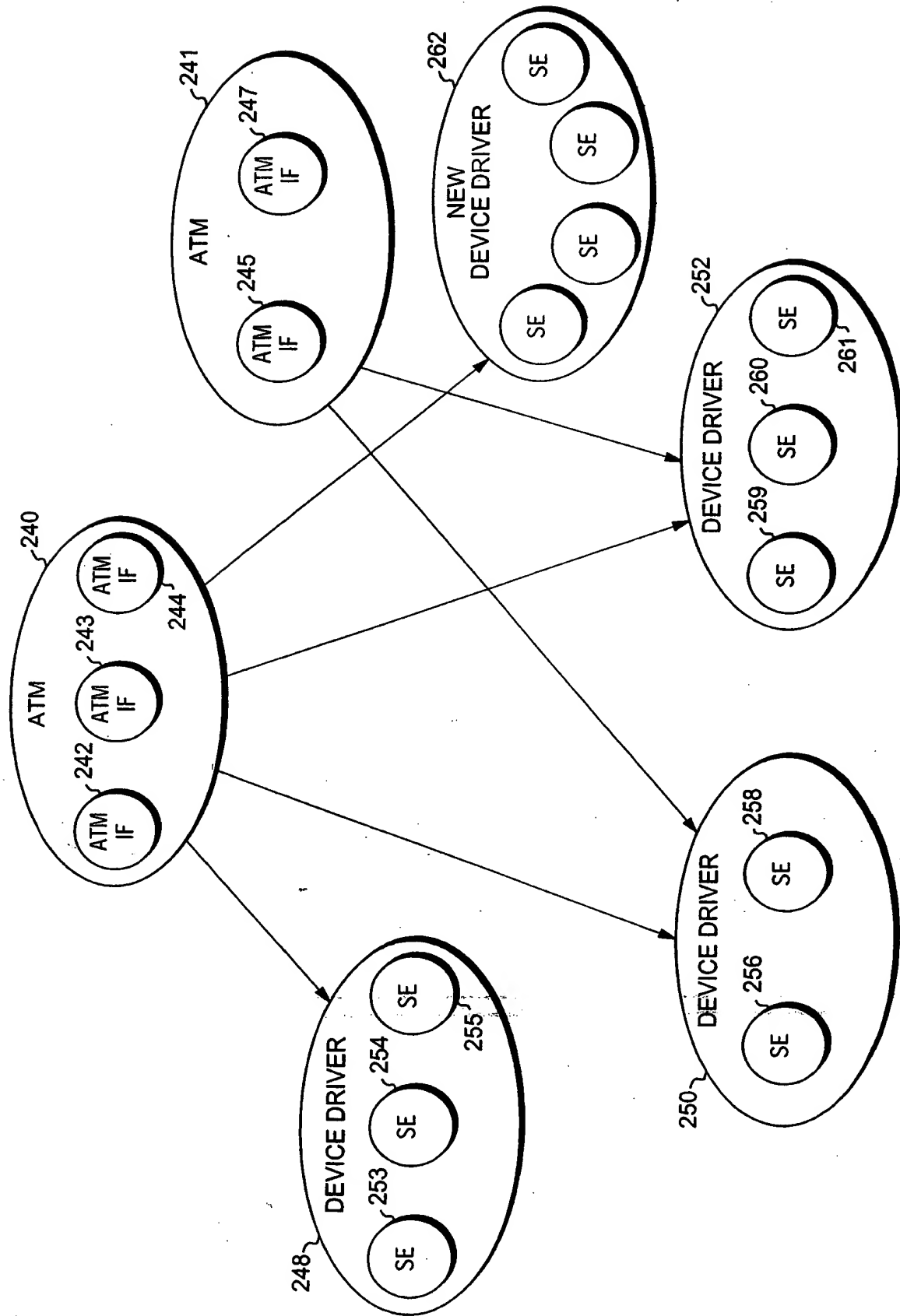


FIG. 16A

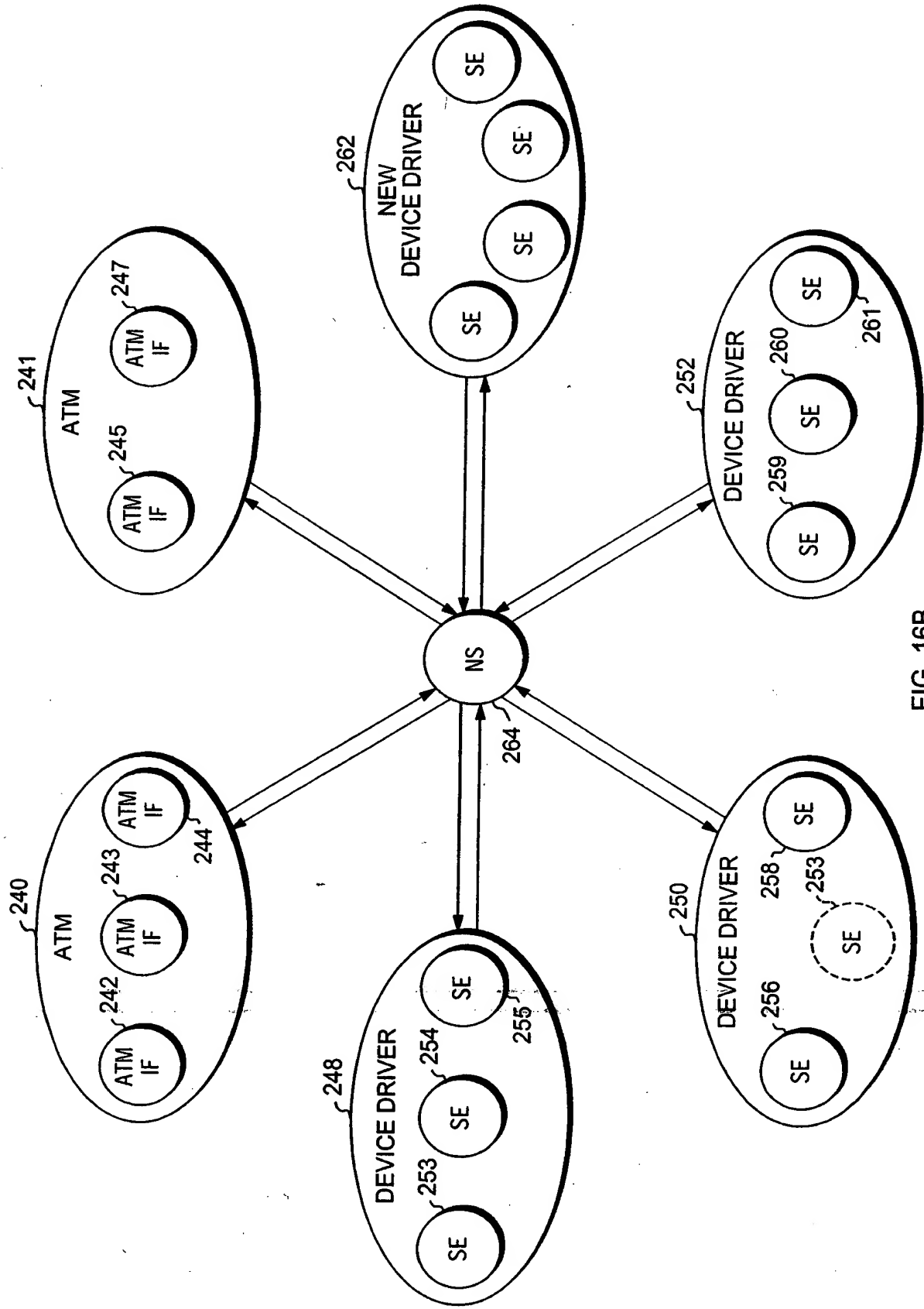


FIG. 16B

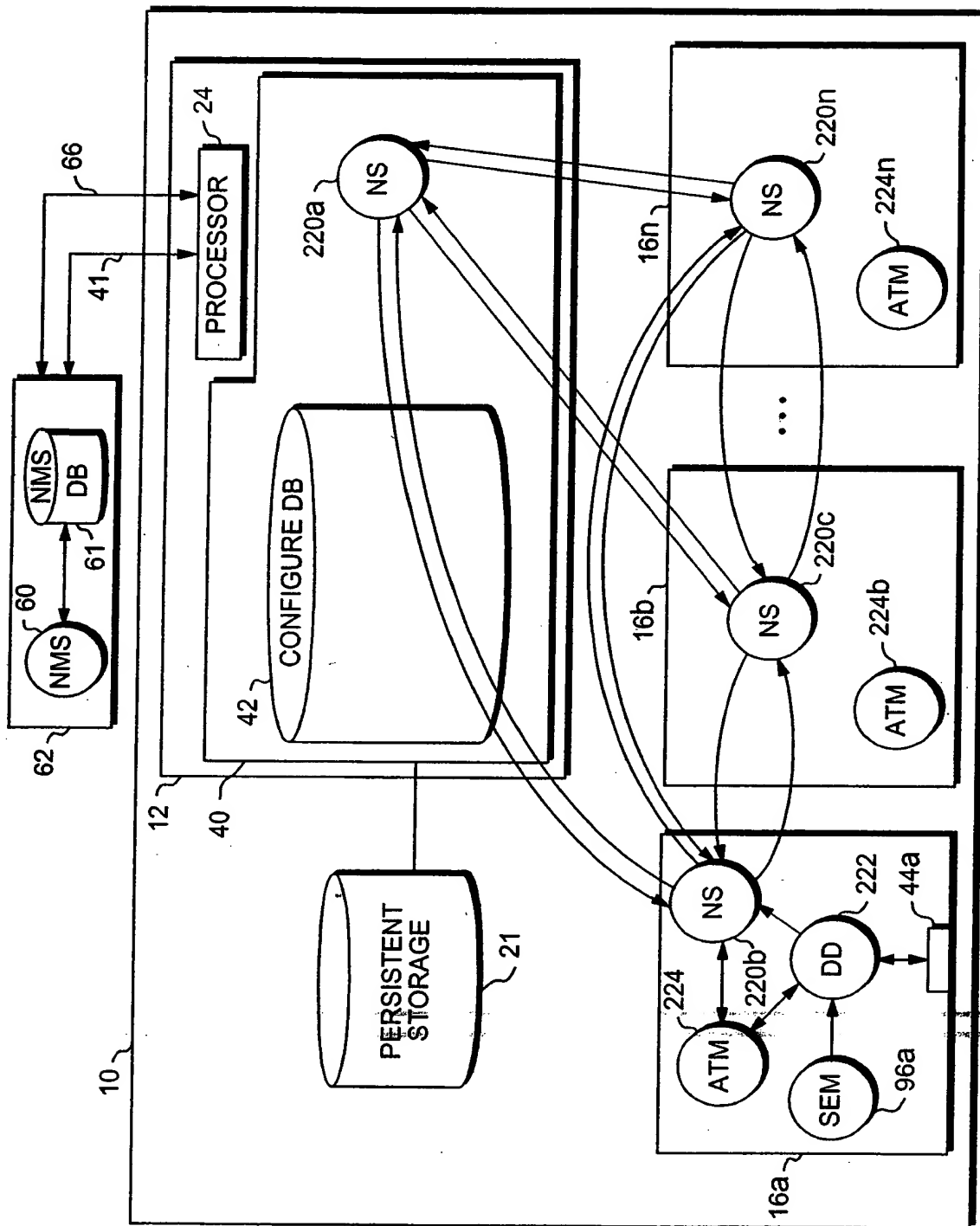


FIG. 16C

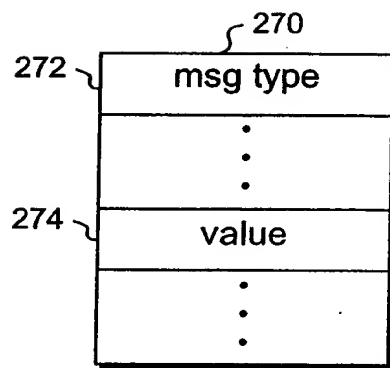


FIG. 16D

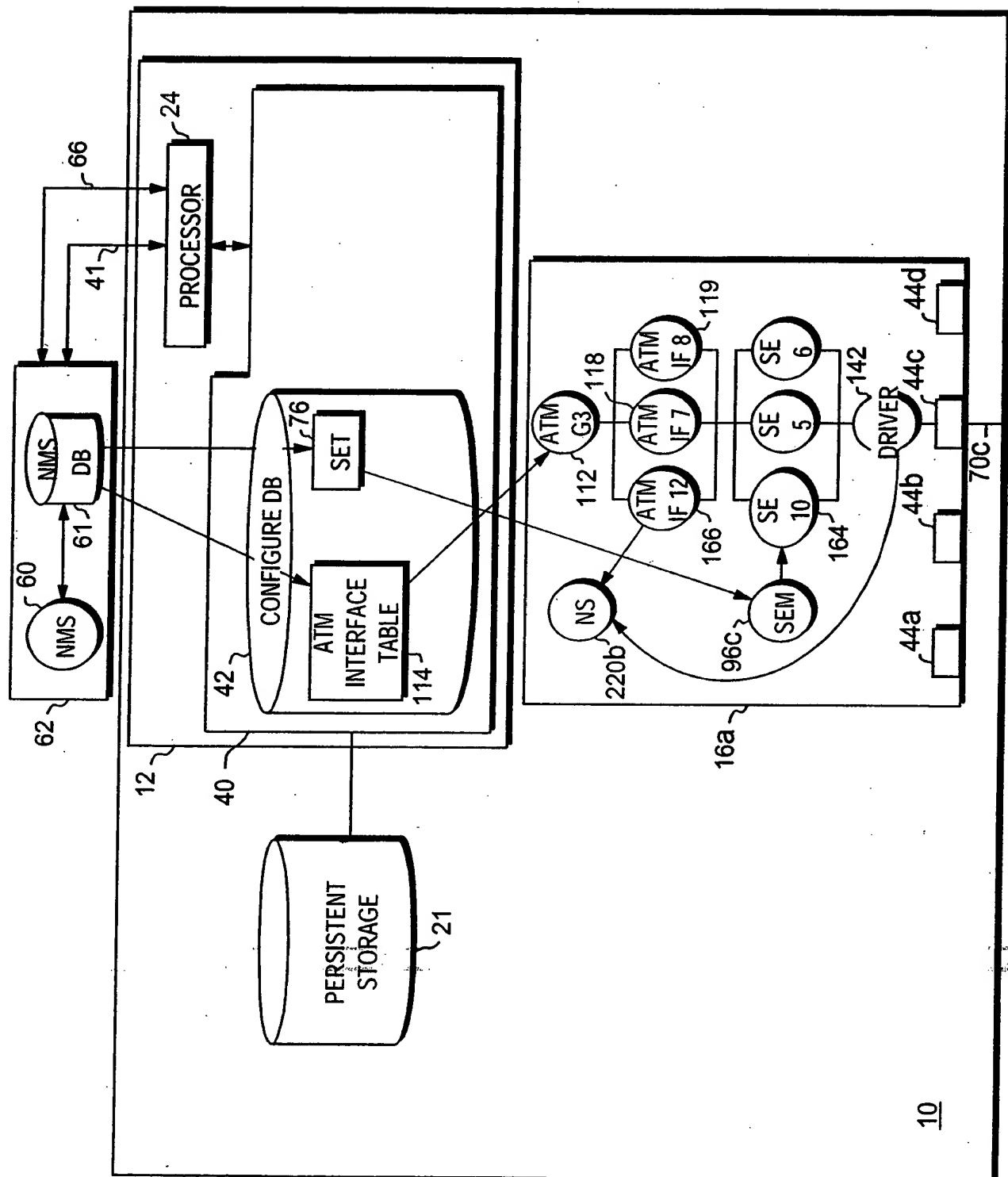


FIG. 17

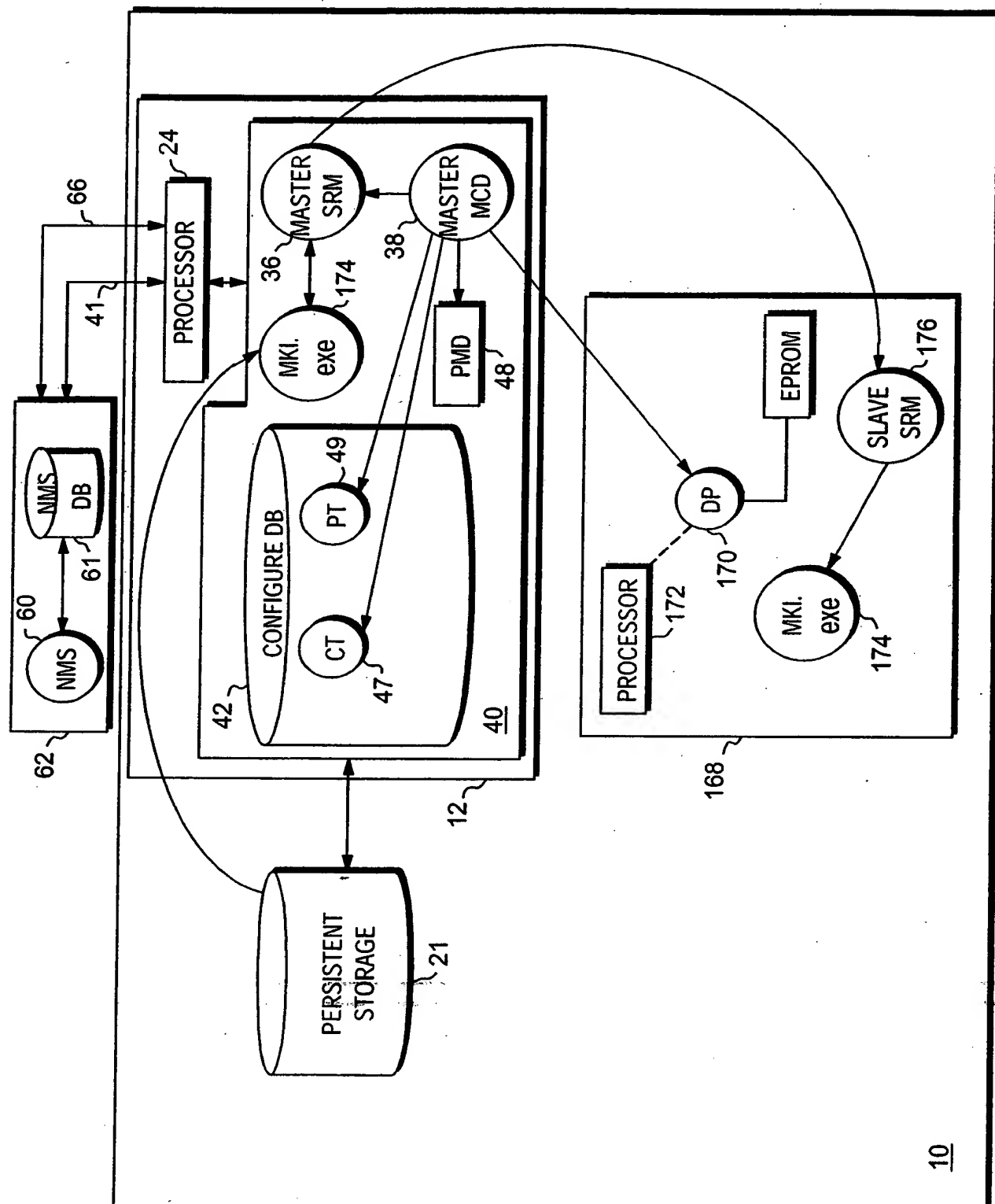


FIG. 18

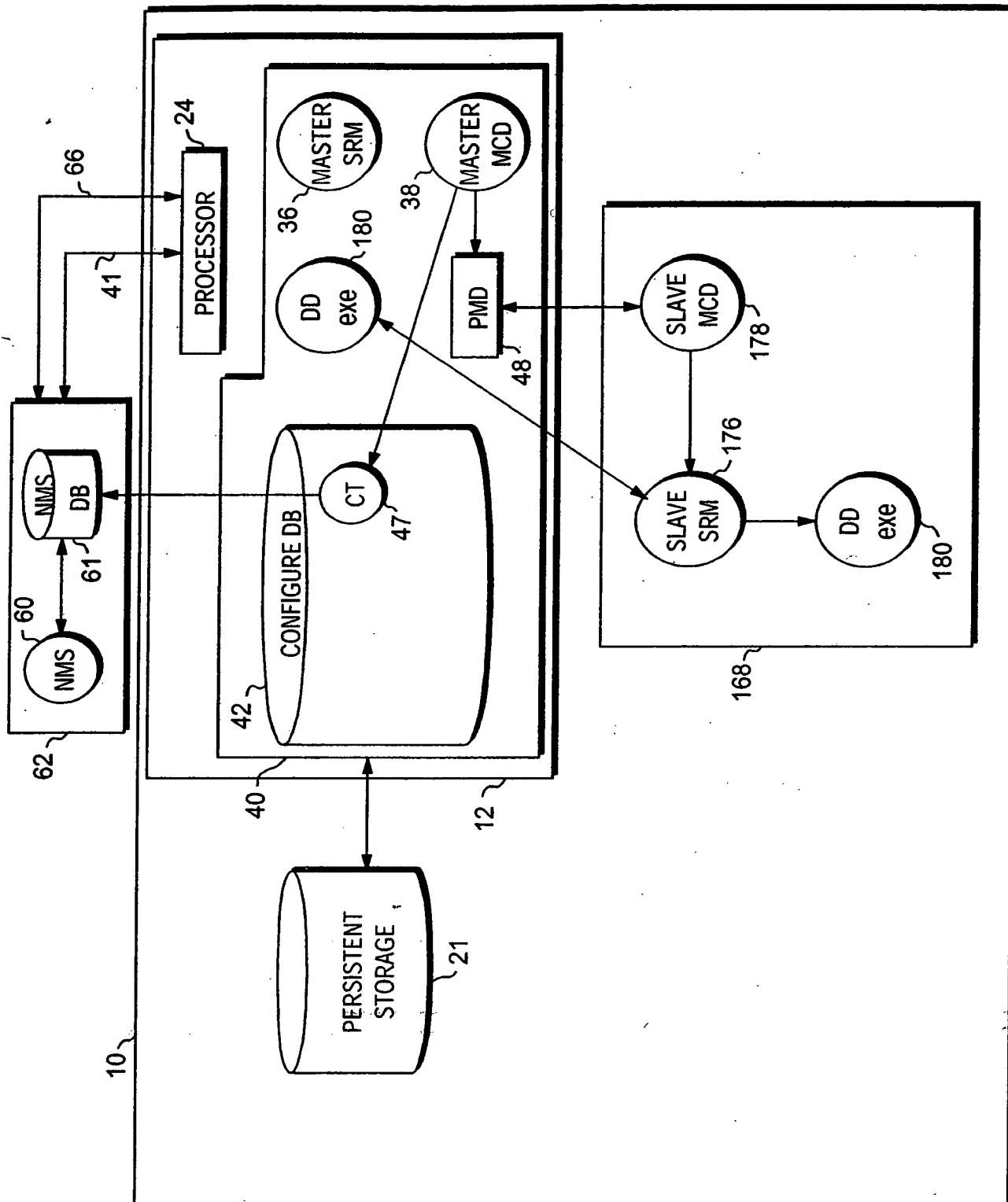


FIG. 19

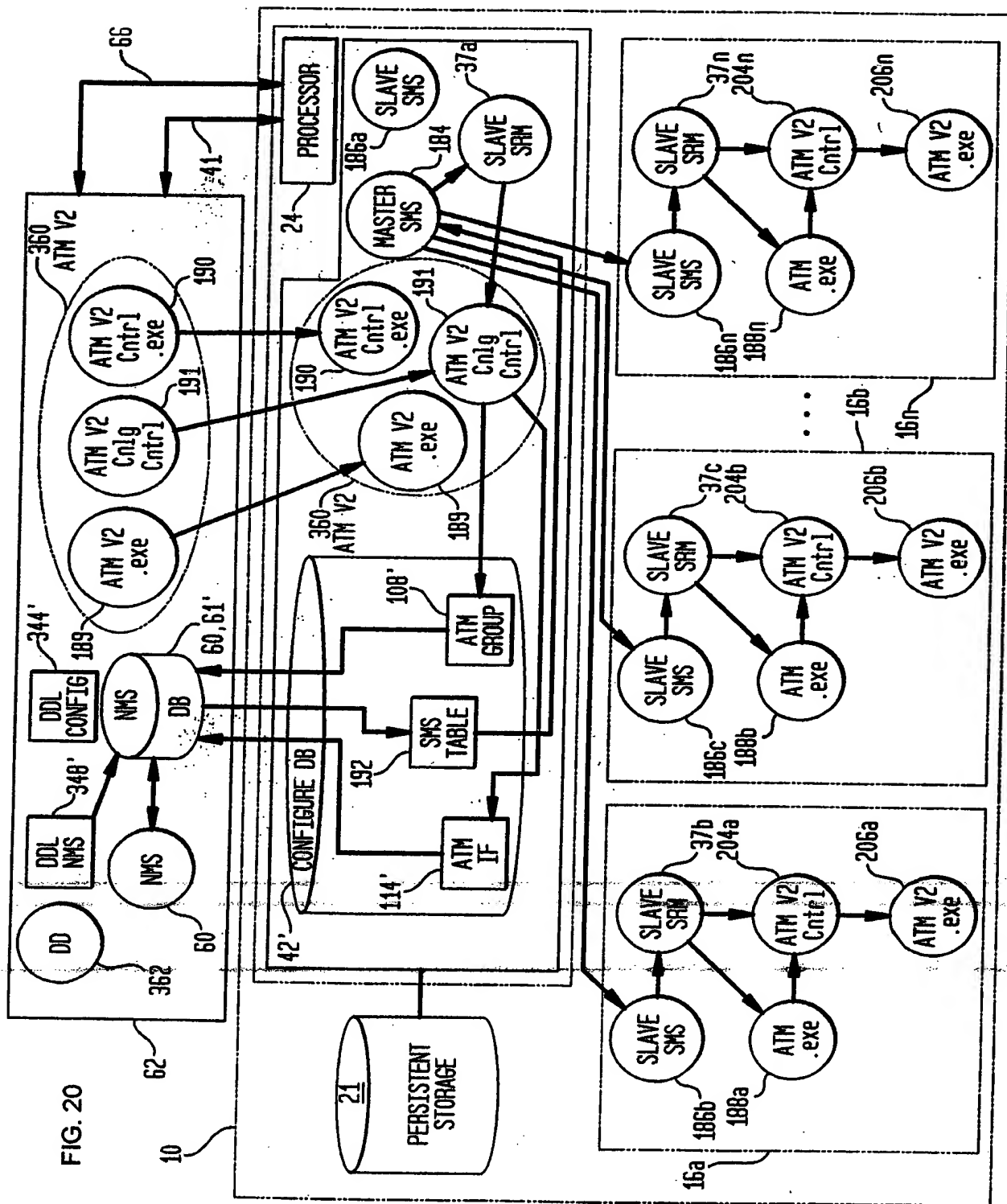


FIG. 21

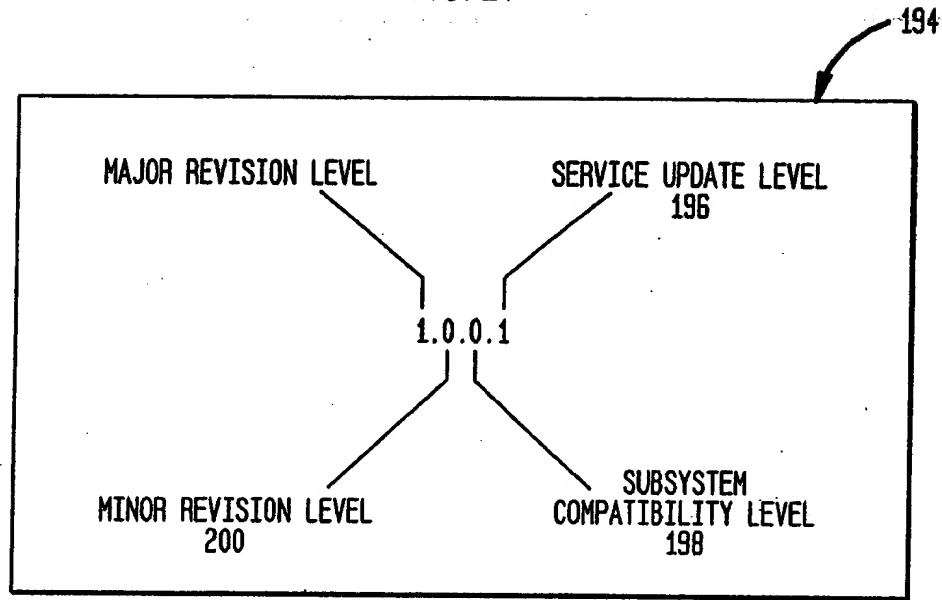


Figure 1 is a block diagram of a network system architecture, divided into three main sections: 10 (Network Management System), 12 (Slave System), and 13 (Master System).

Section 10 (Network Management System):

- Contains an **NMS** (Network Management System) block, which is connected to an **NMS DB** (Database) labeled 348.
- Below the NMS DB is another **NMS DB** labeled 61.
- To the right of the NMS DB is a **DDL CONFIG. DB** (Data Definition Language Configuration Database) labeled 344.
- Below the DDL CONFIG. DB is another **DDL CONFIG. DB** labeled 344.
- At the bottom right is an **NMS DB** labeled 61.

Section 12 (Slave System):

- Contains a **SLAVE SRS** (Slave System Resource) block, which is connected to a **SLAVE SRS** block labeled 37e.
- Below the SLAVE SRS block is a **Config. DB** (Configuration Database) labeled 192.
- Below the Config. DB is a **SMS TABLE** (Service Management System Table) labeled 420.
- Below the SMS TABLE is a **DDL CONFIG. DB** (Data Definition Language Configuration Database) labeled 186e.

Section 13 (Master System):

- Contains a **MASTER SRS** (Master System Resource) block, which is connected to a **MASTER SRS** block labeled 360.
- Below the MASTER SRS block is a **Config. DB** (Configuration Database) labeled 192.
- Below the Config. DB is a **SMS TABLE** (Service Management System Table) labeled 360.
- Below the SMS TABLE is a **DDL CONFIG. DB** (Data Definition Language Configuration Database) labeled 344.

Connections and Data Flow:

- The **NMS** block in Section 10 is connected to the **DDL CONFIG. DB** (344) and the **Config. DB** (192) in Section 12.
- The **DDL CONFIG. DB** (344) in Section 10 is connected to the **DDL CONFIG. DB** (344) in Section 13.
- The **Config. DB** (192) in Section 12 is connected to the **Config. DB** (192) in Section 13.
- The **SMS TABLE** (420) in Section 12 is connected to the **SMS TABLE** (360) in Section 13.
- The **DDL CONFIG. DB** (186e) in Section 12 is connected to the **DDL CONFIG. DB** (344) in Section 13.
- The **SLAVE SRS** (37e) in Section 12 is connected to the **MASTER SRS** (360) in Section 13.
- The **MASTER SRS** (360) in Section 13 is connected to the **Config. DB** (192) in Section 12.

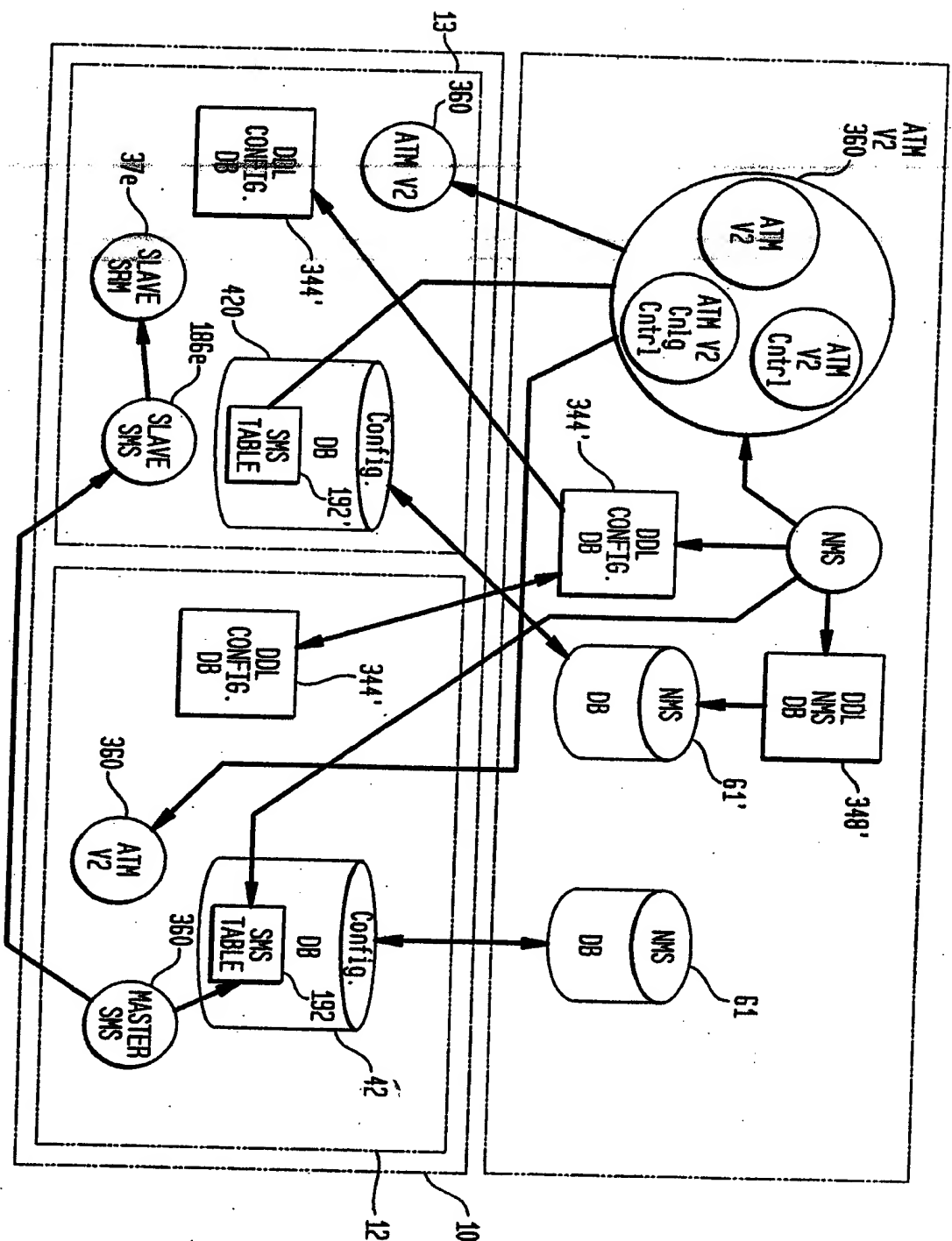
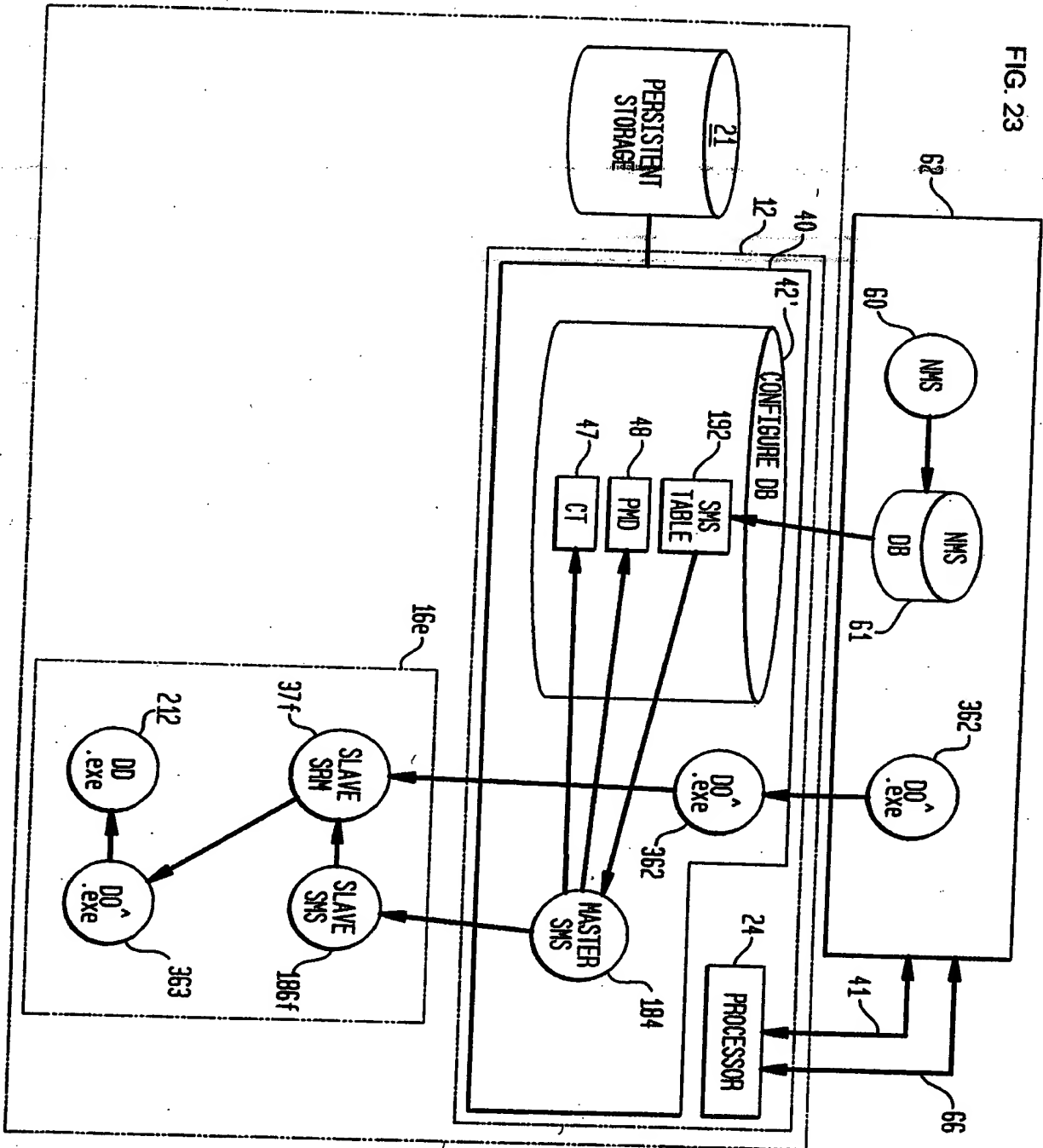


FIG. 23



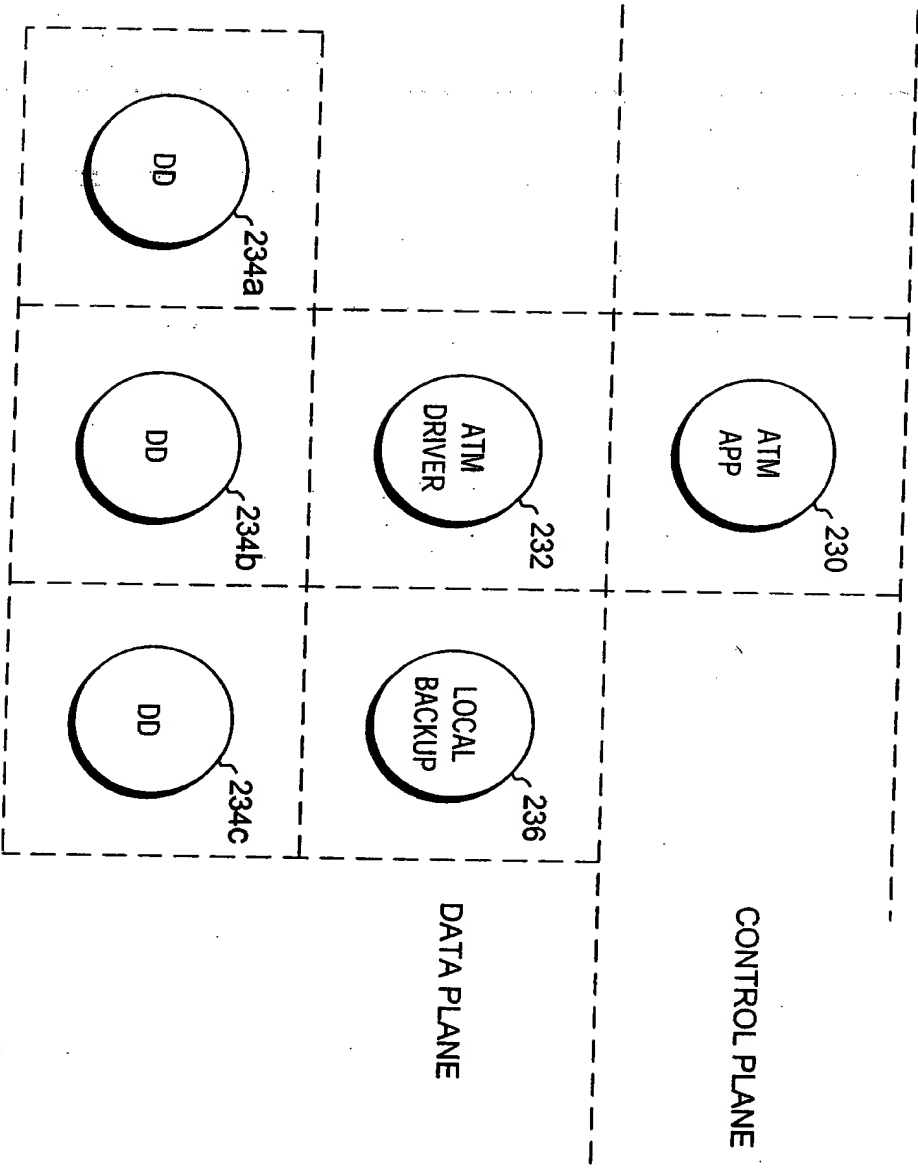


FIG. 24

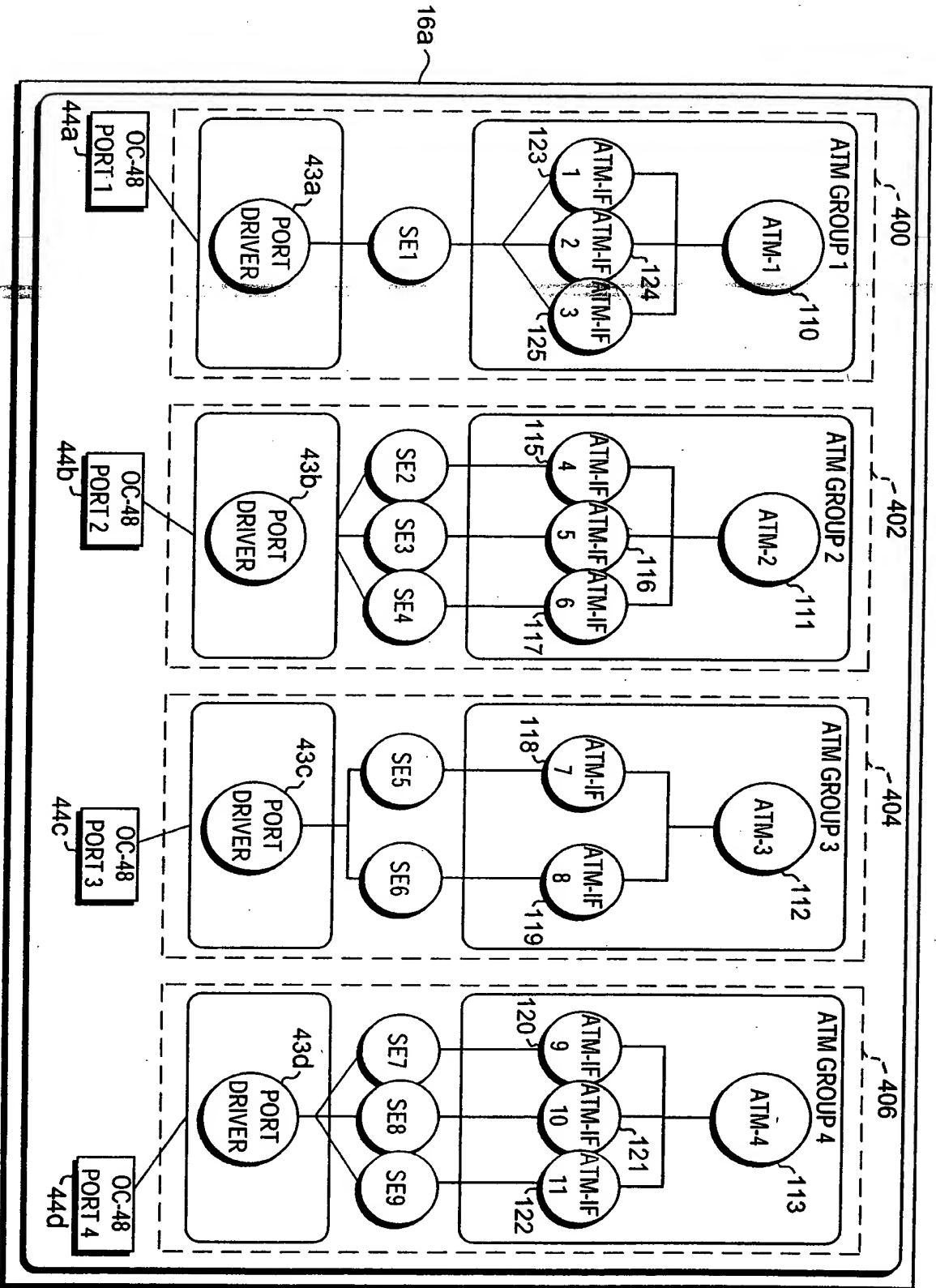
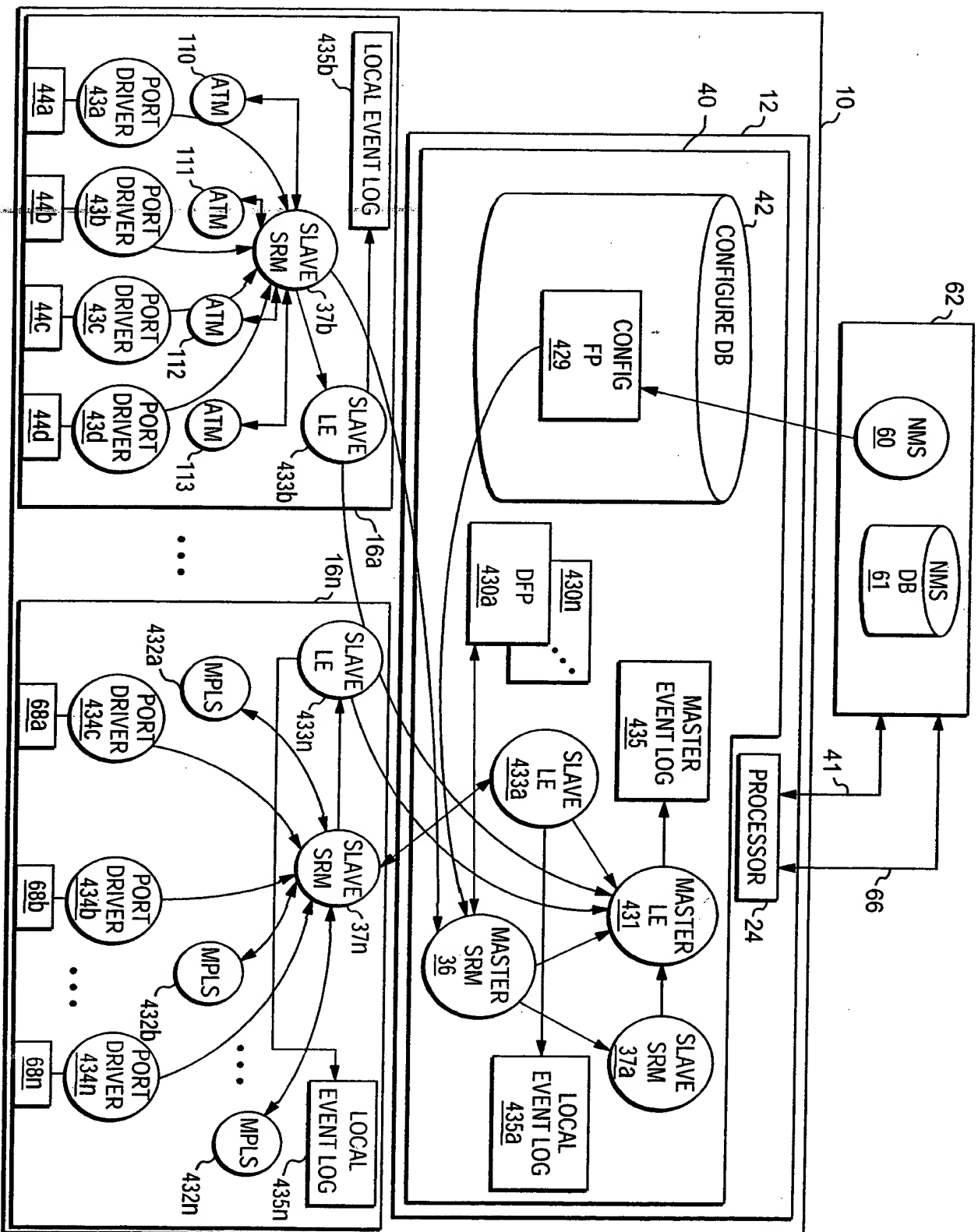


FIG. 25



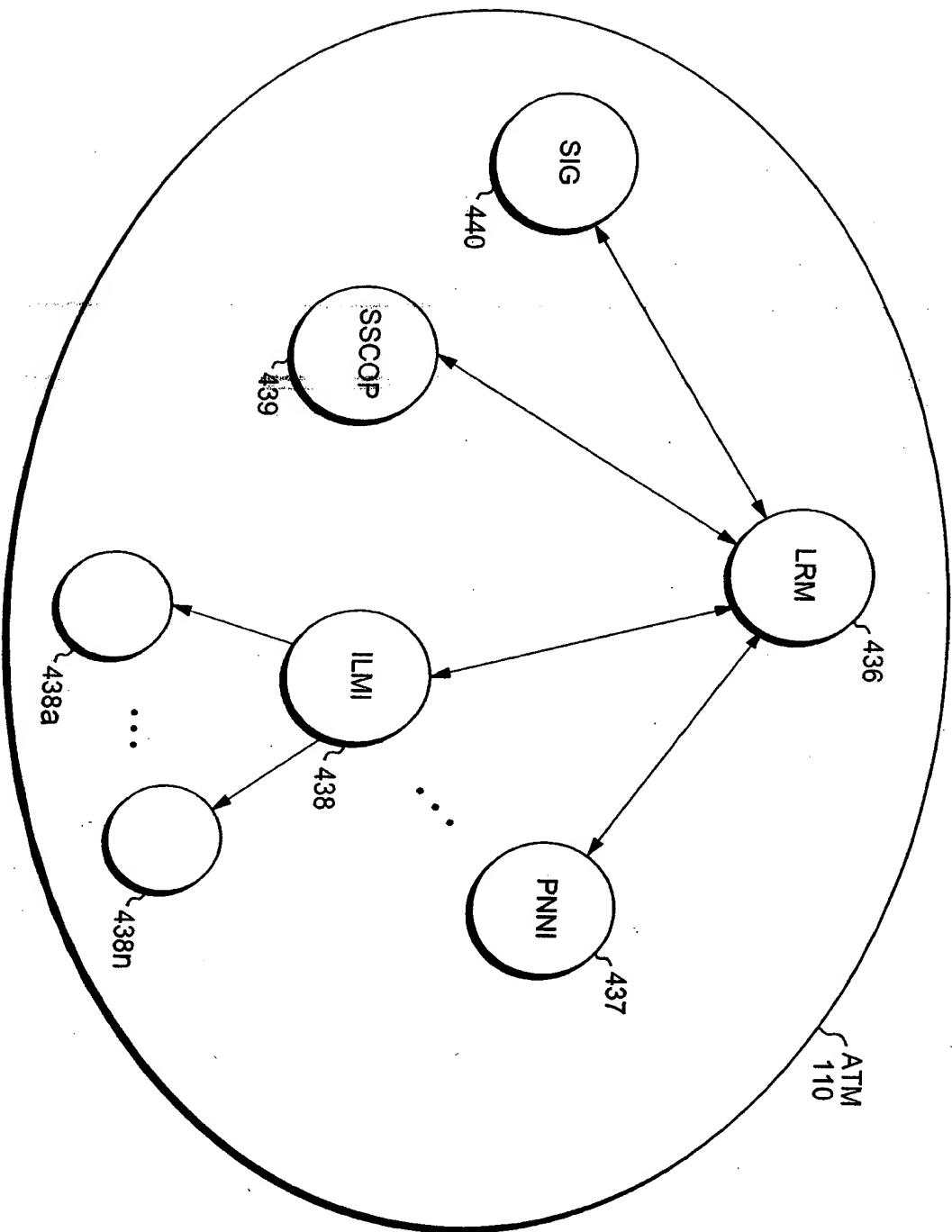


FIG. 27

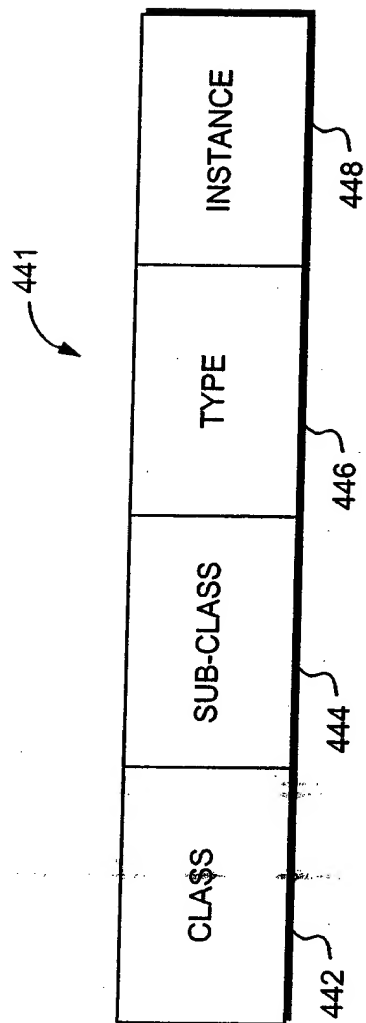
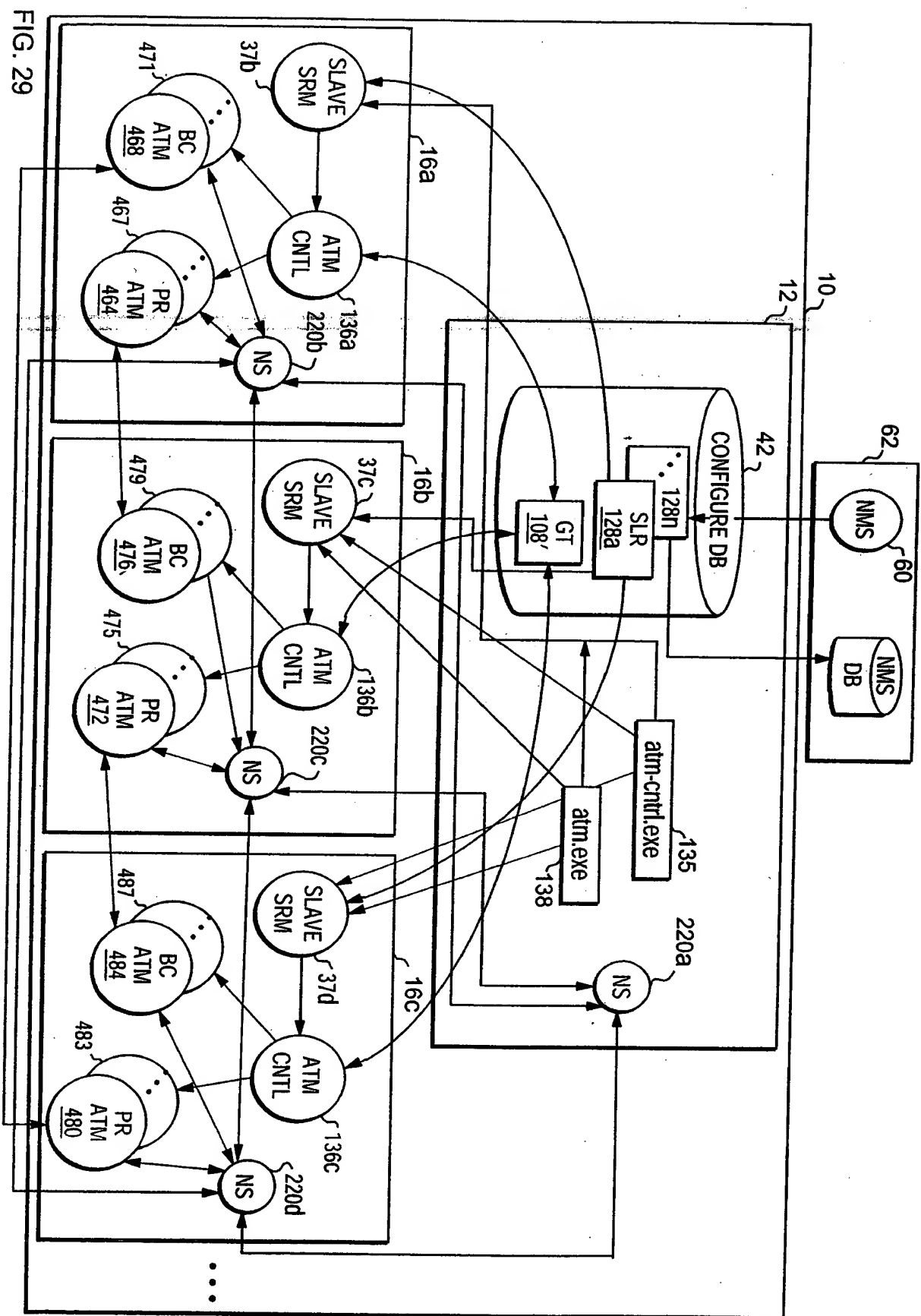


FIG. 28



GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

FIG. 30

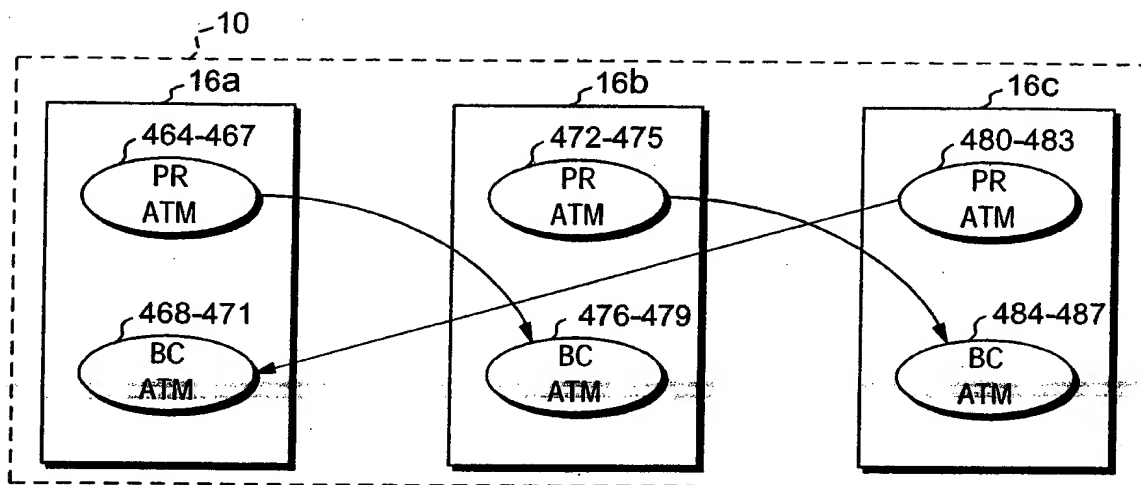


FIG. 31A

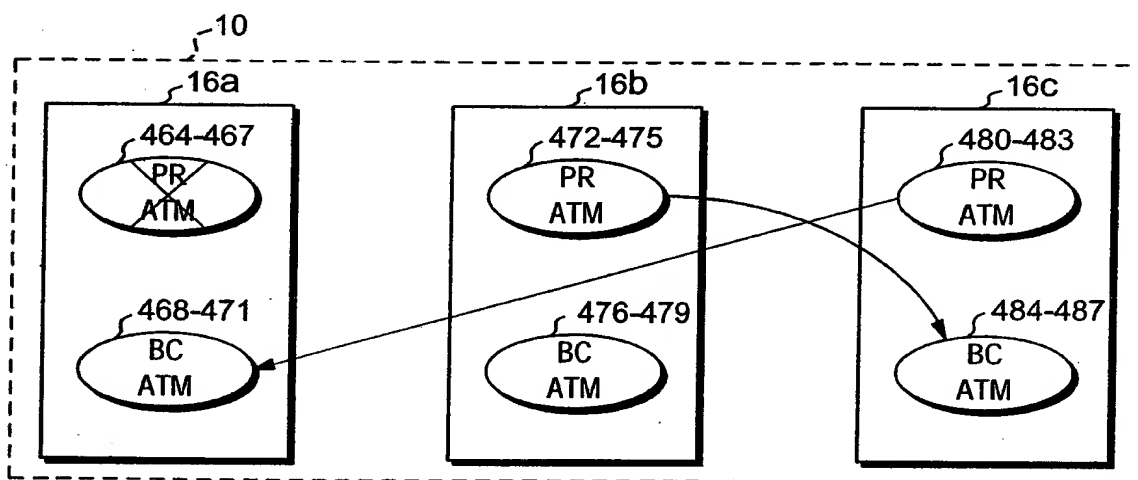


FIG. 31B

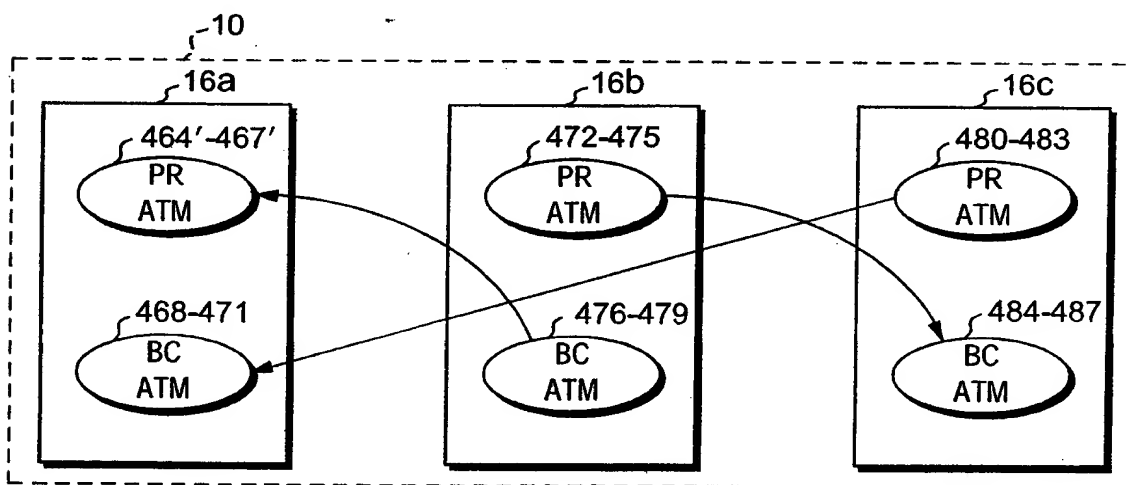


FIG. 31C

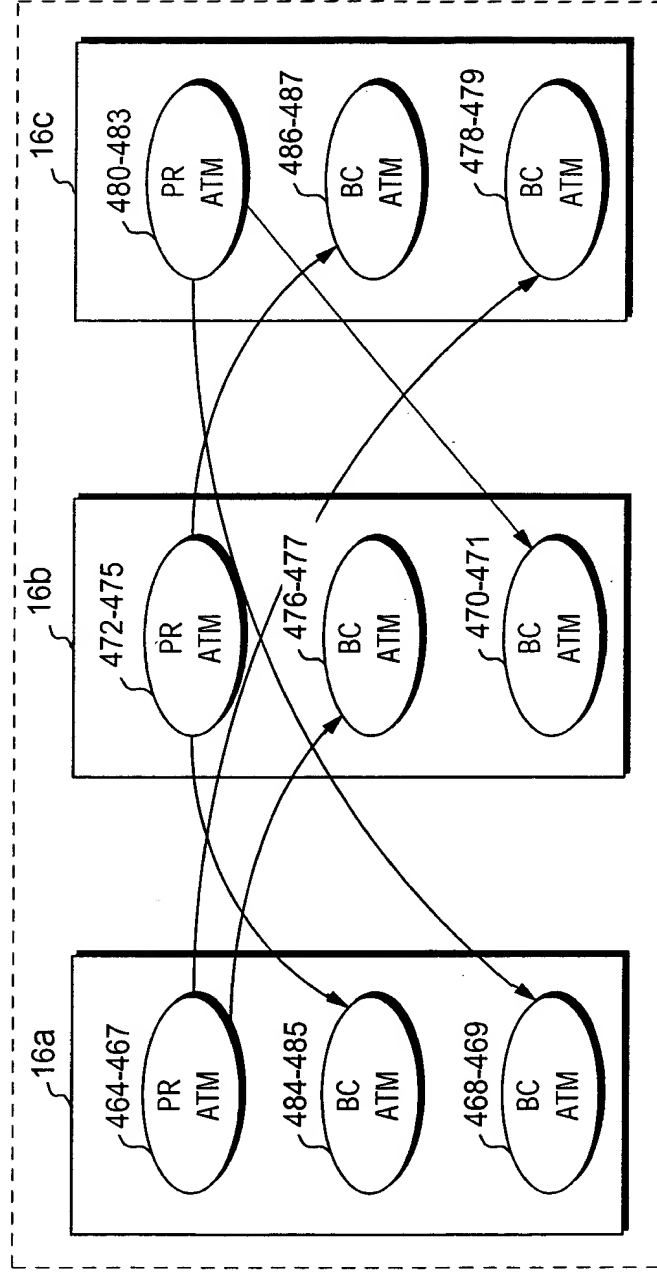


FIG. 32A

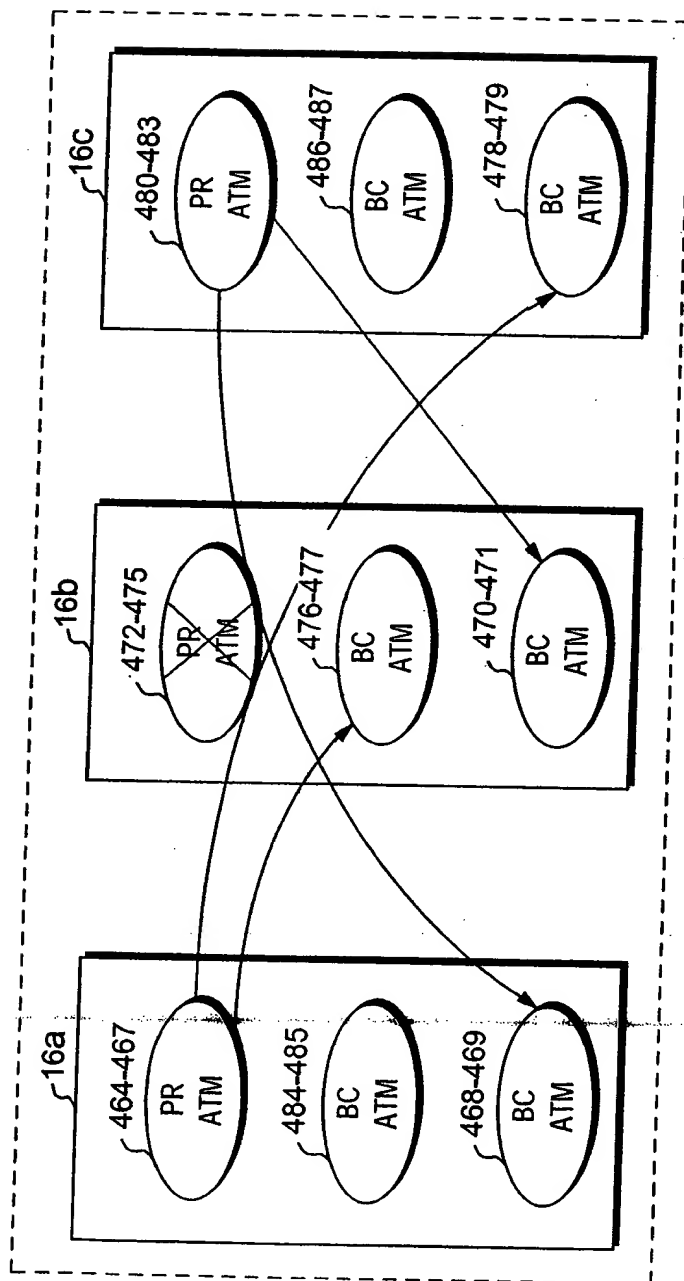


FIG. 32B

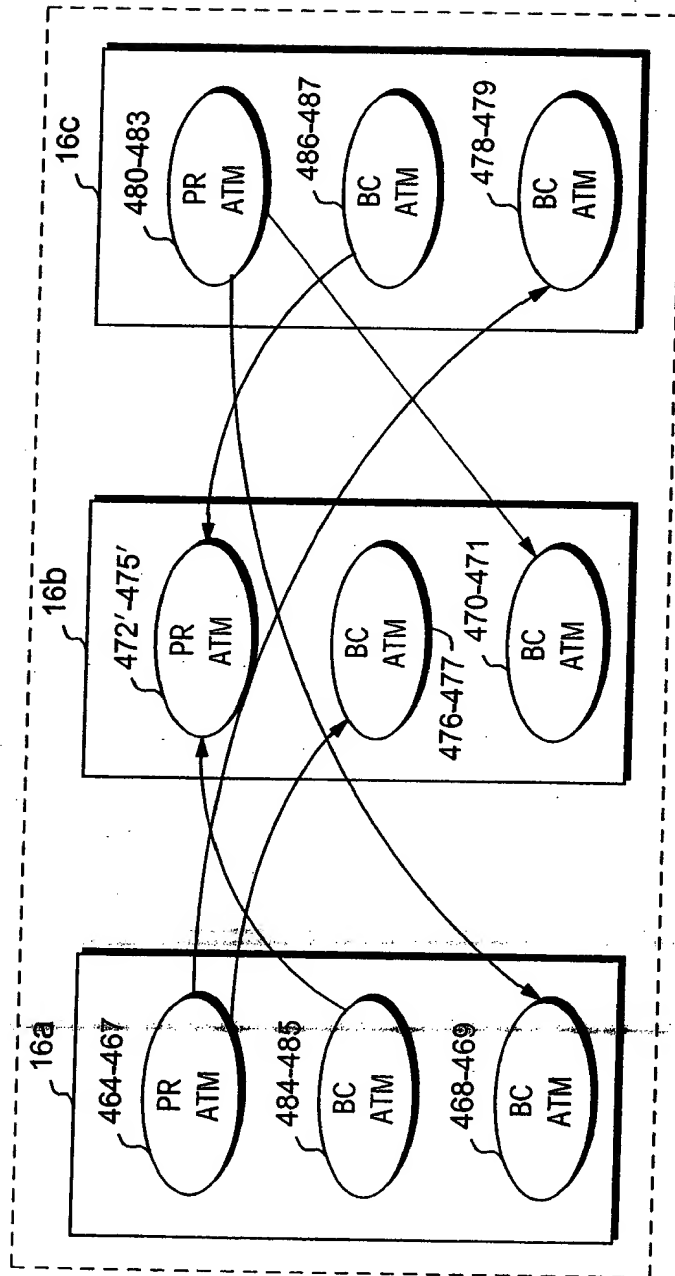


FIG. 32C

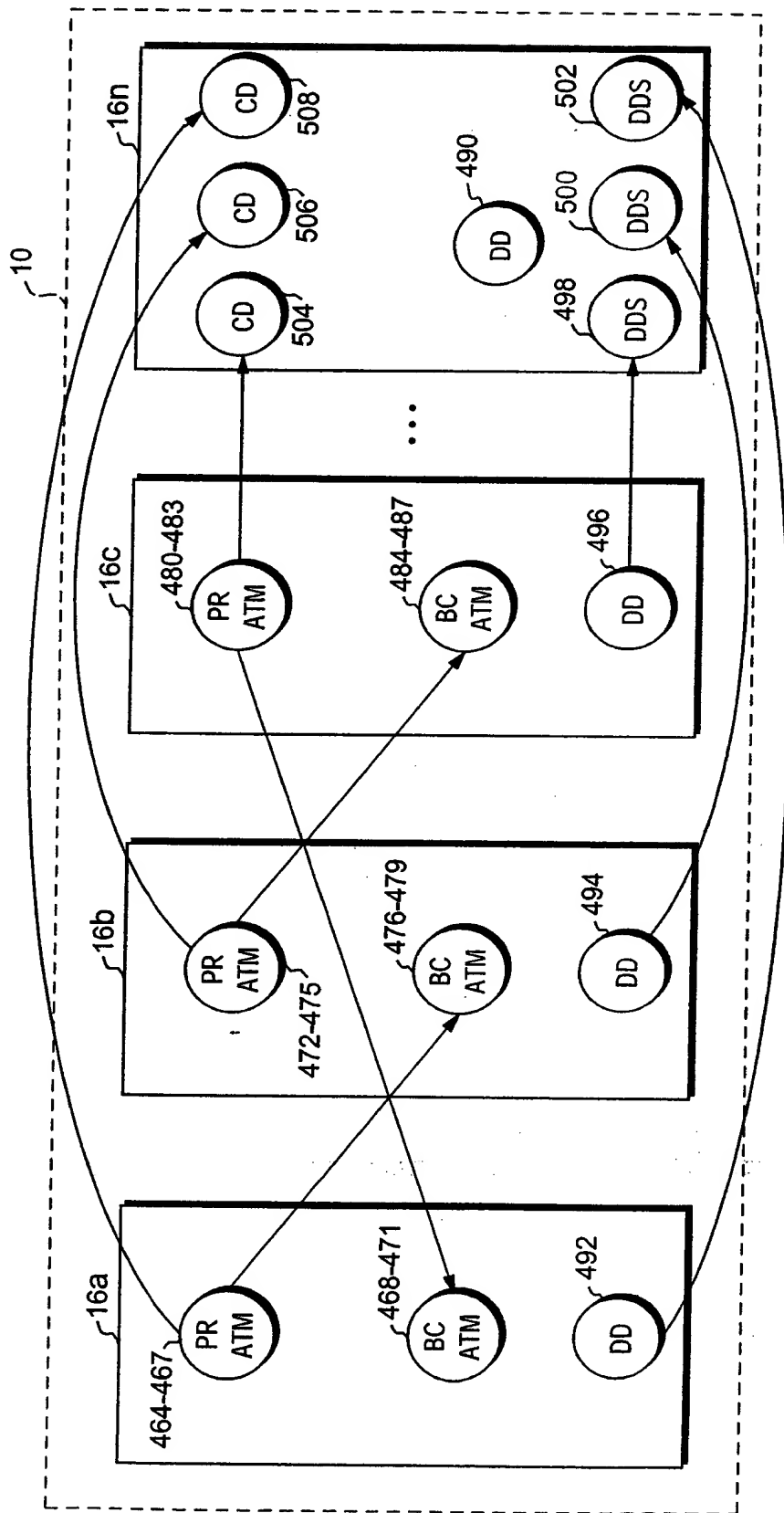


FIG. 33A

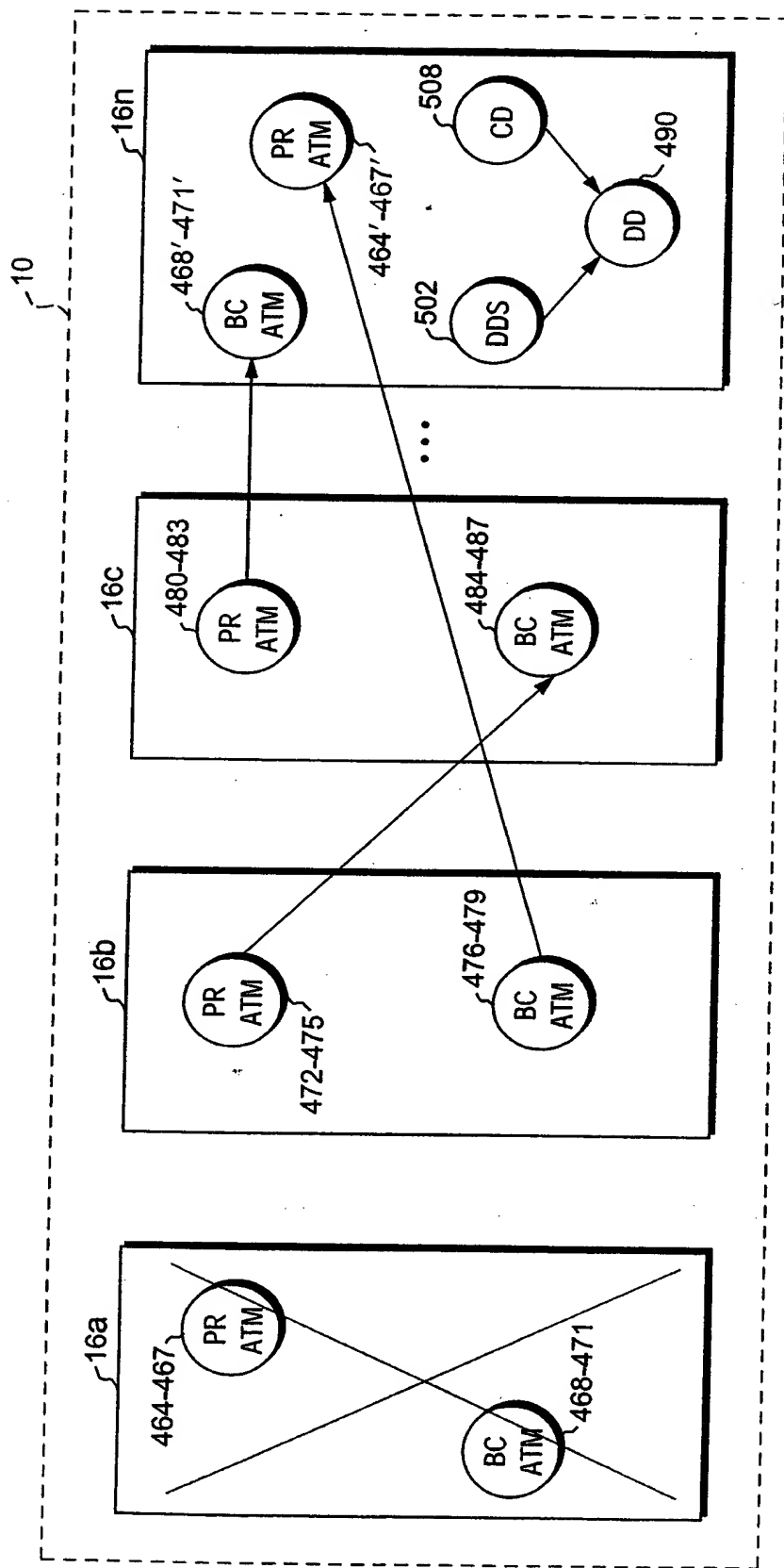


FIG. 33B

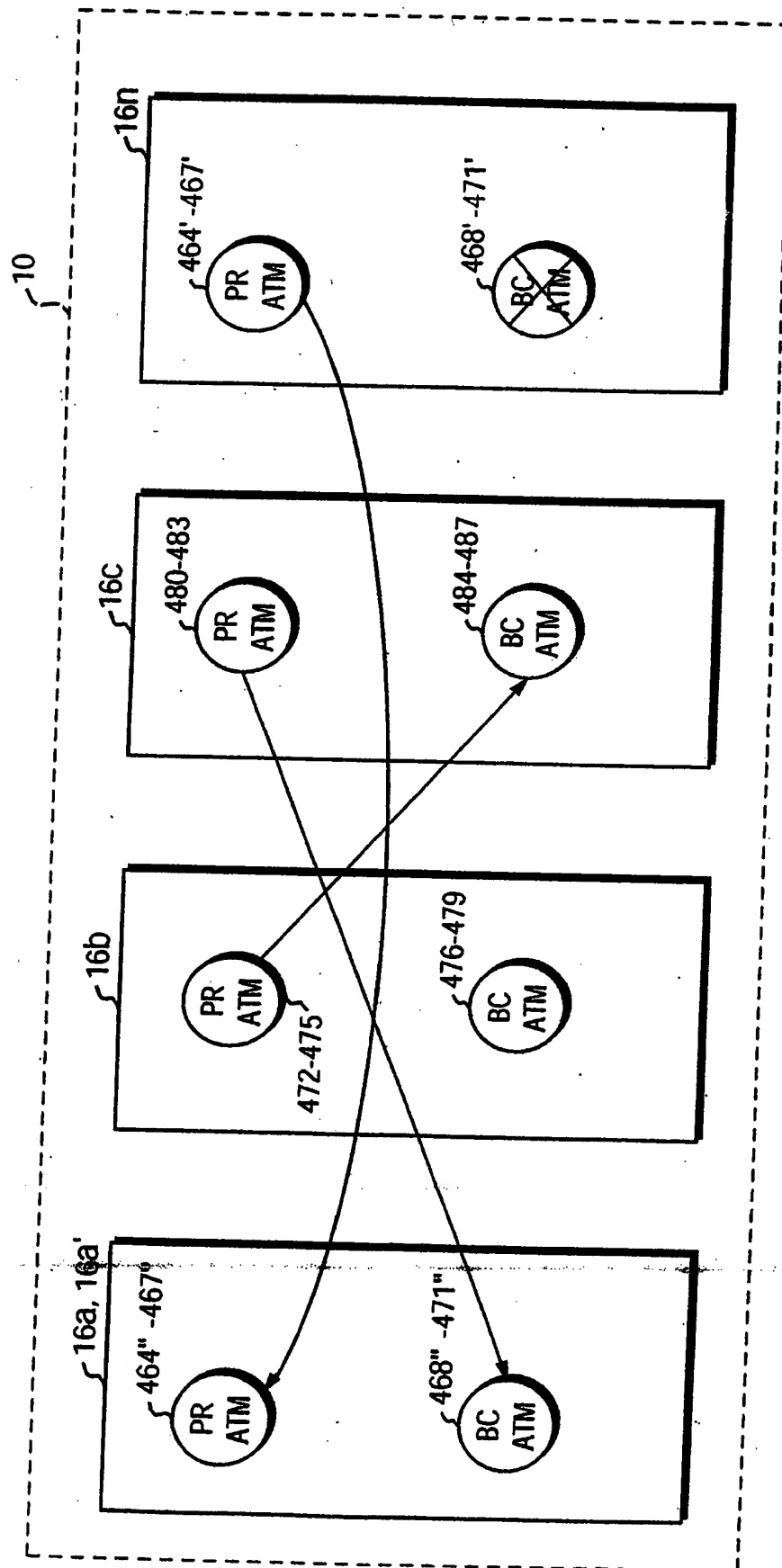


FIG. 33C

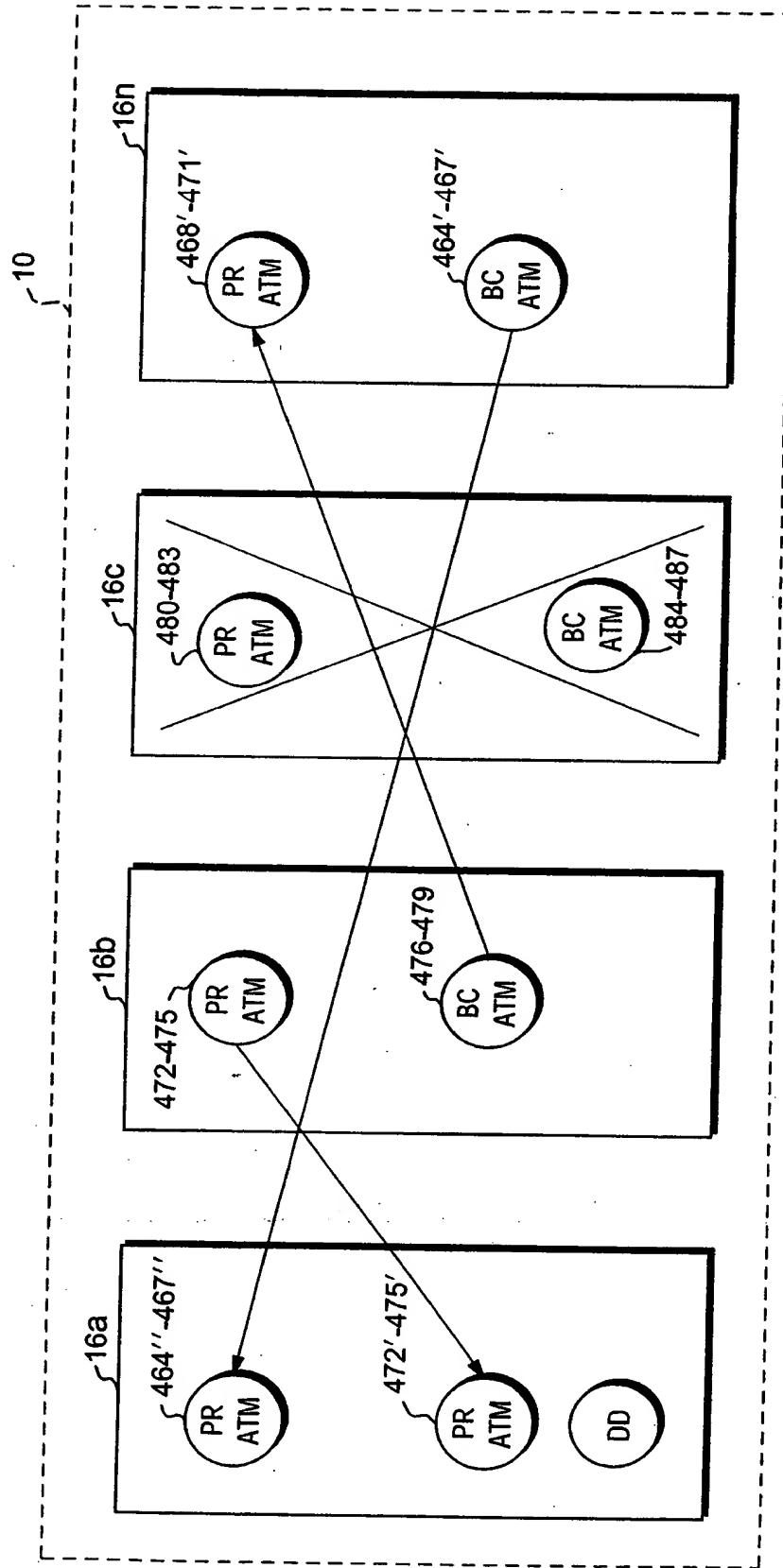


FIG. 33D

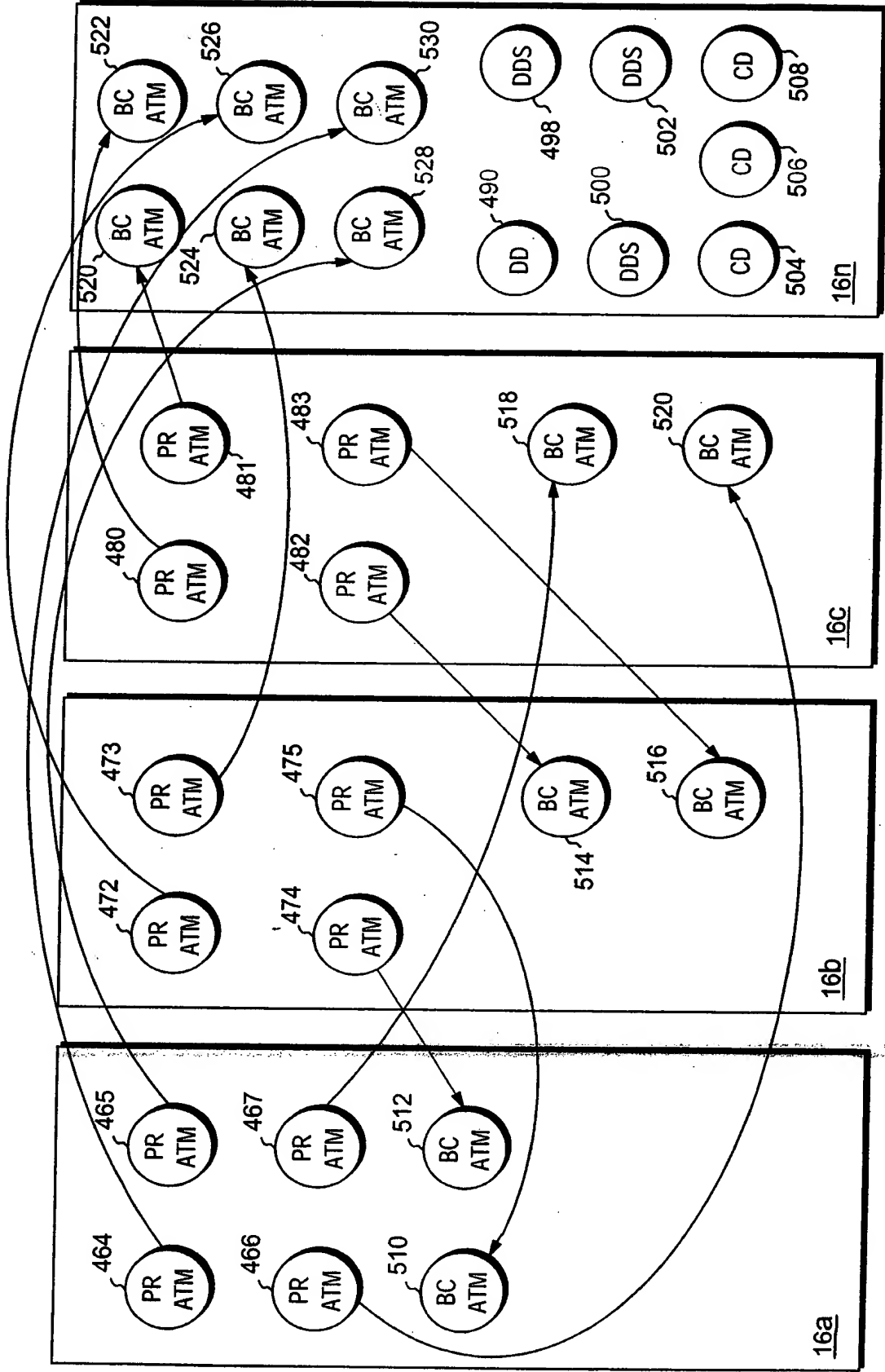


FIG. 34A

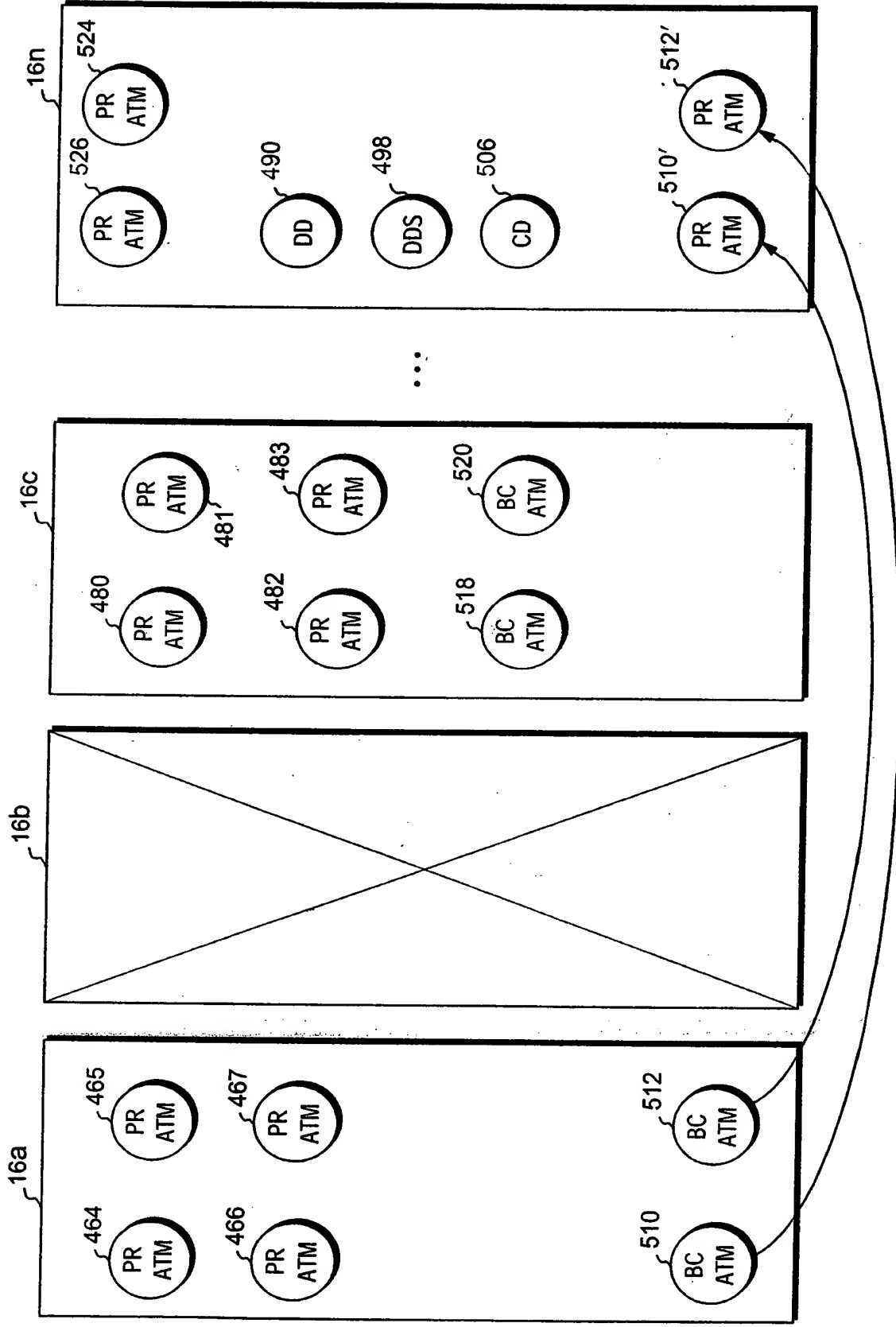


FIG. 34B

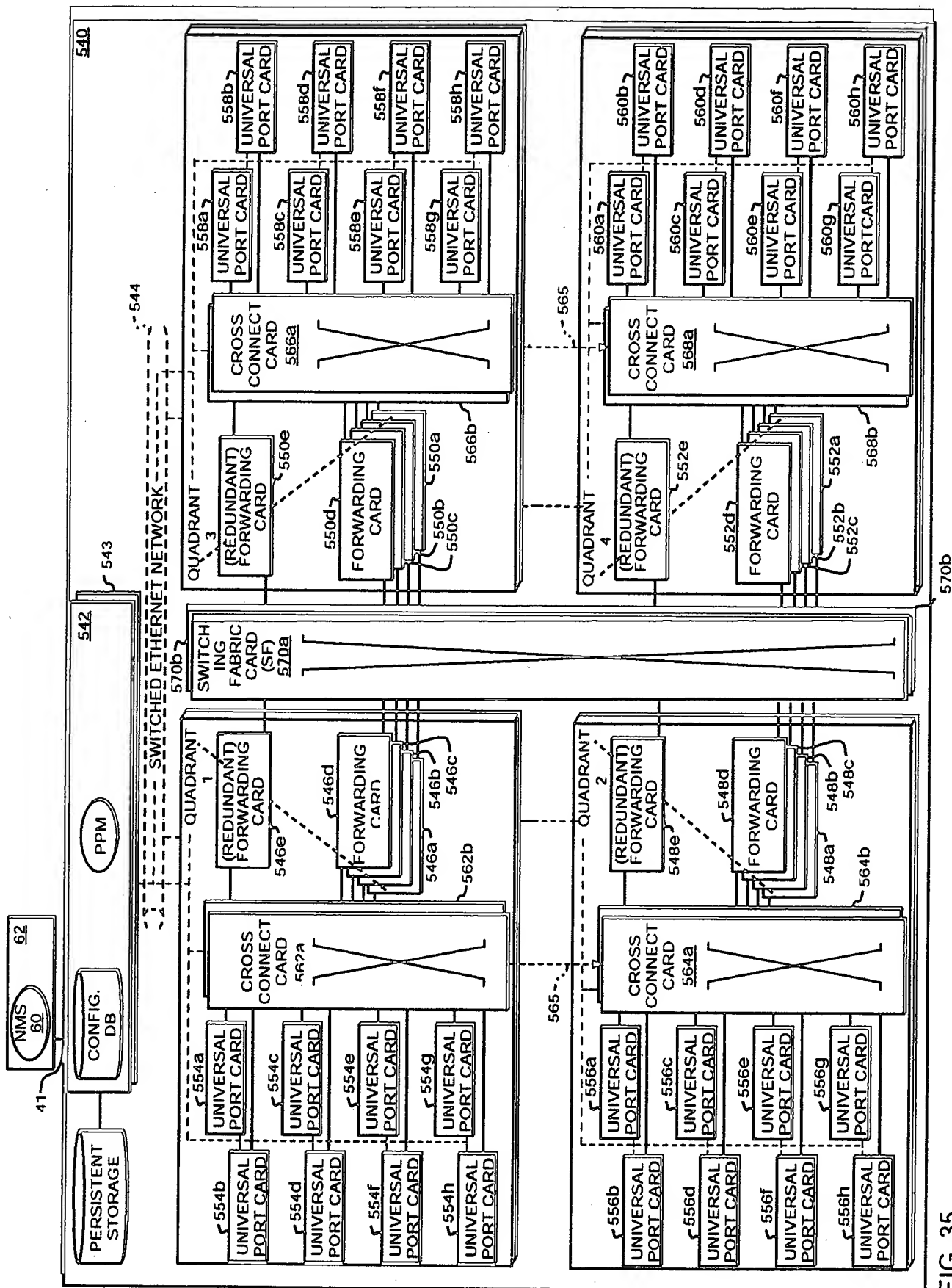


FIG. 35

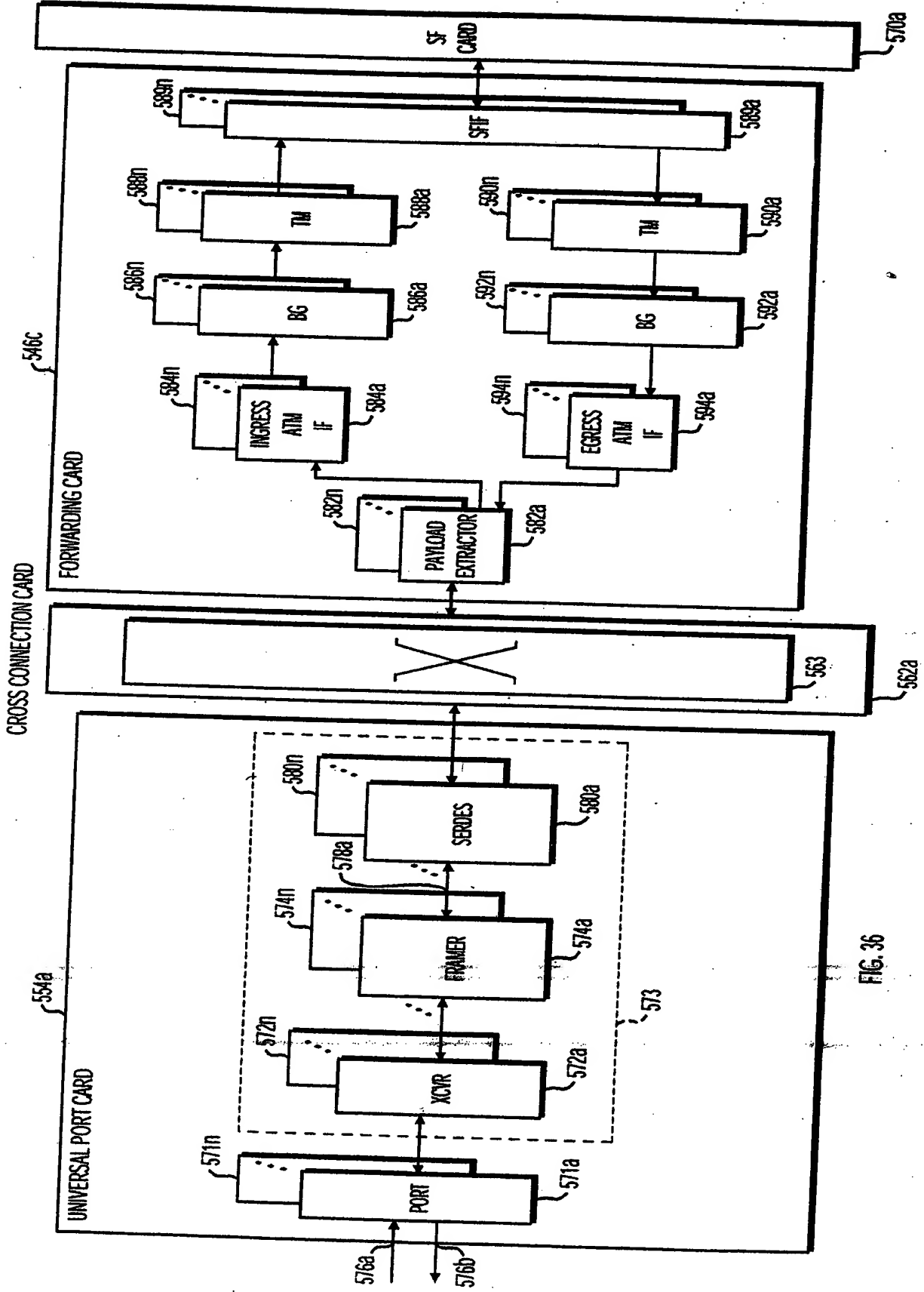


FIG. 36

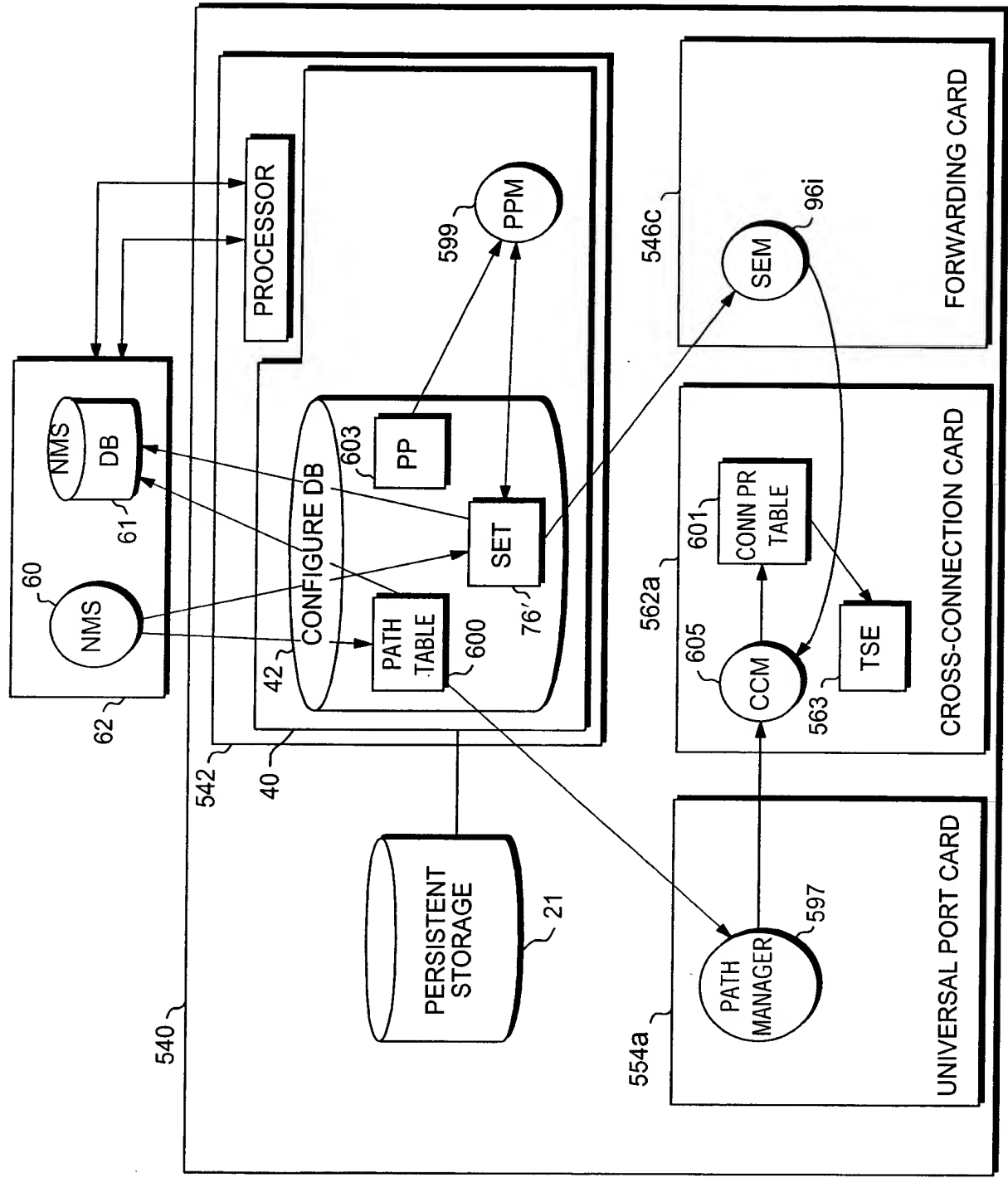


FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID	...
878	1				1666	
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 39

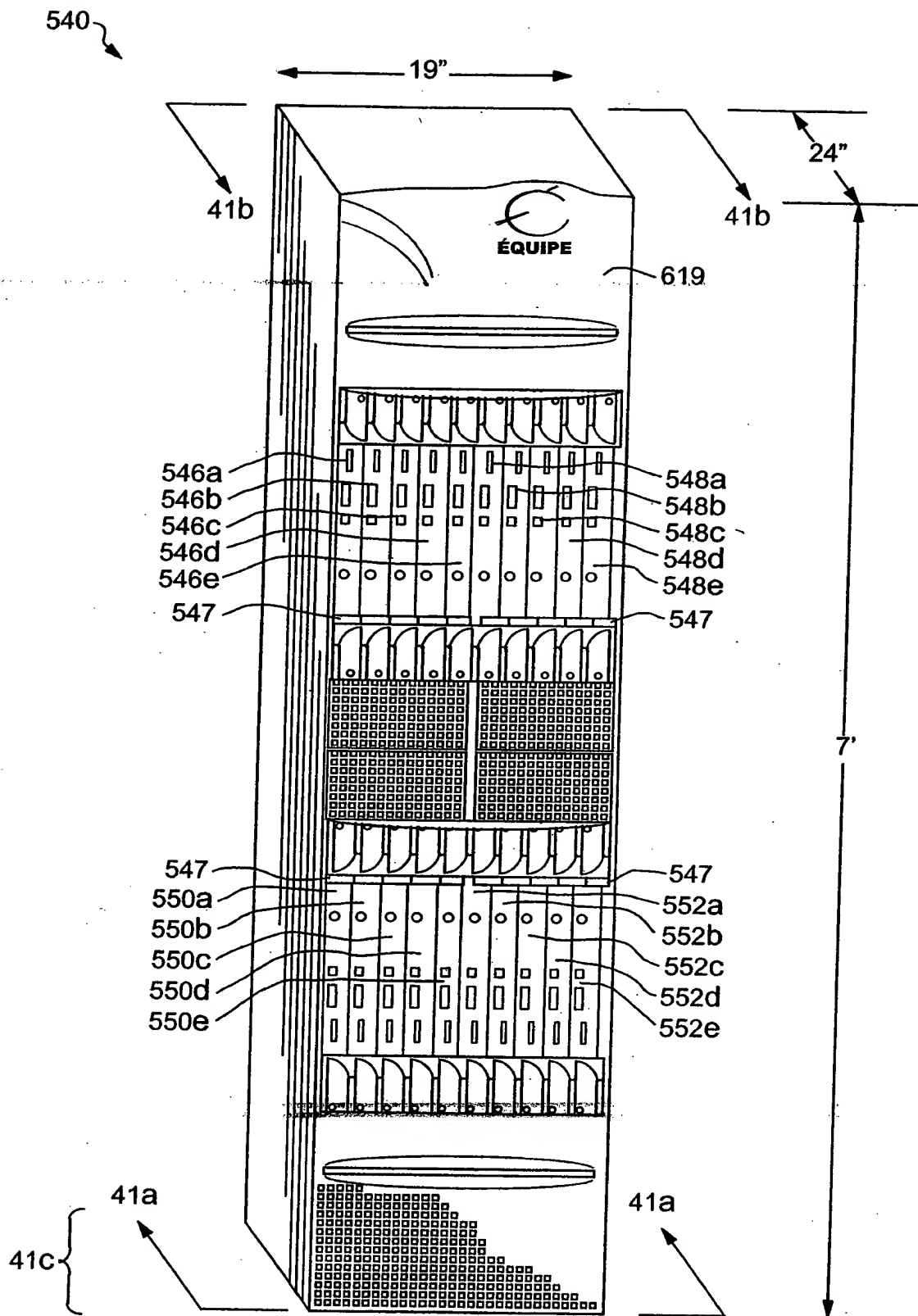


FIG. 40

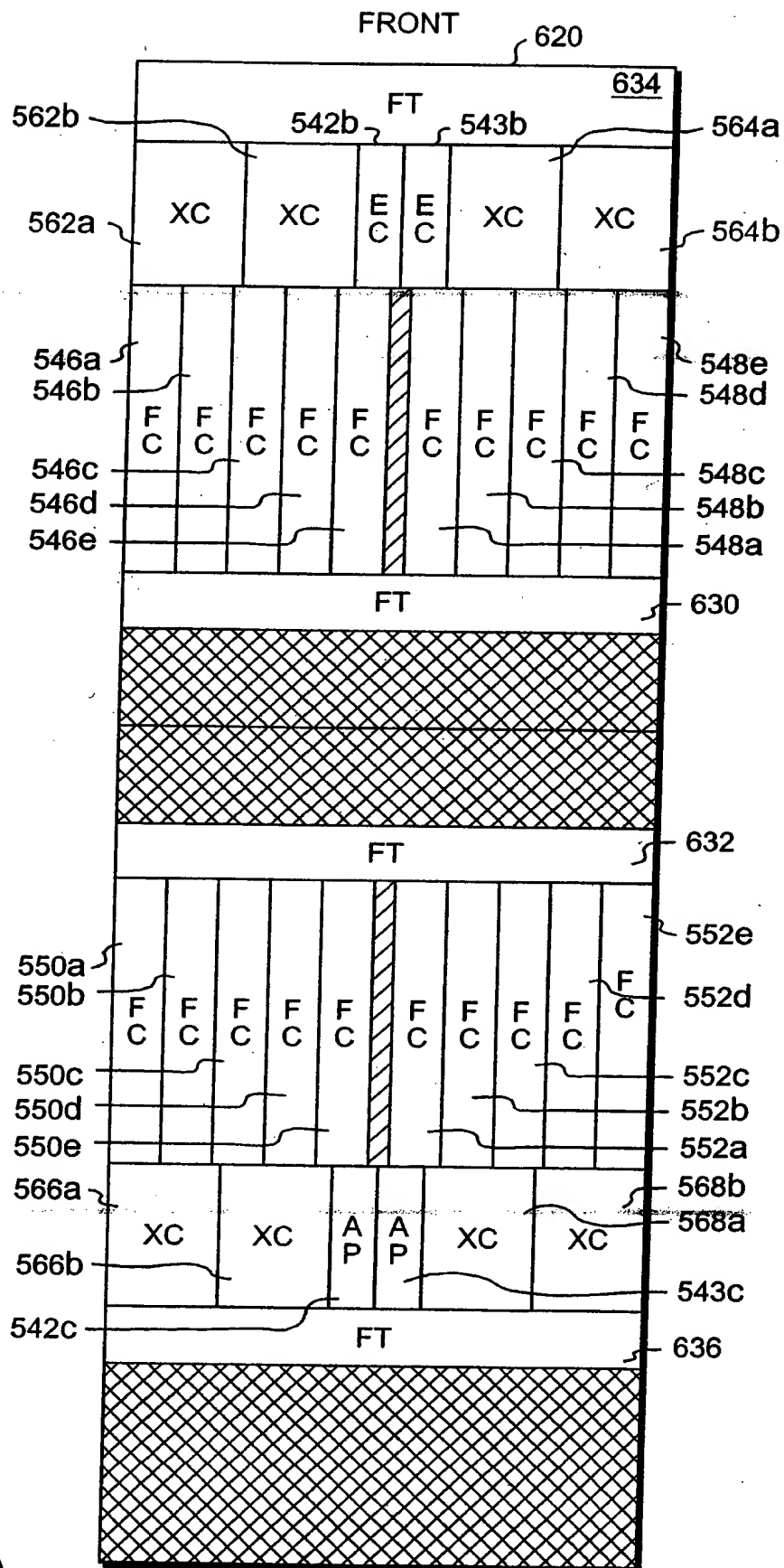


FIG. 41A

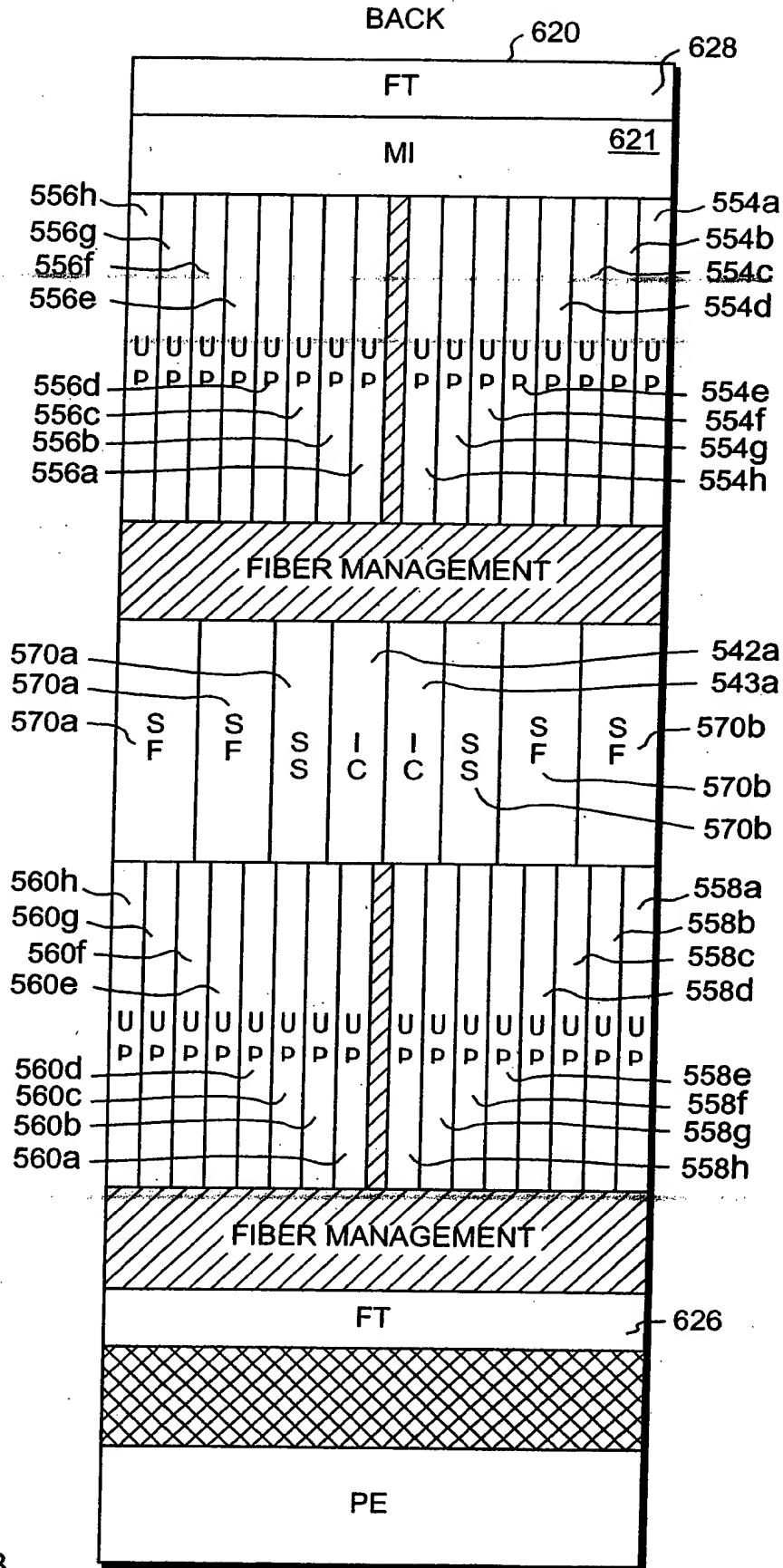


FIG. 41B

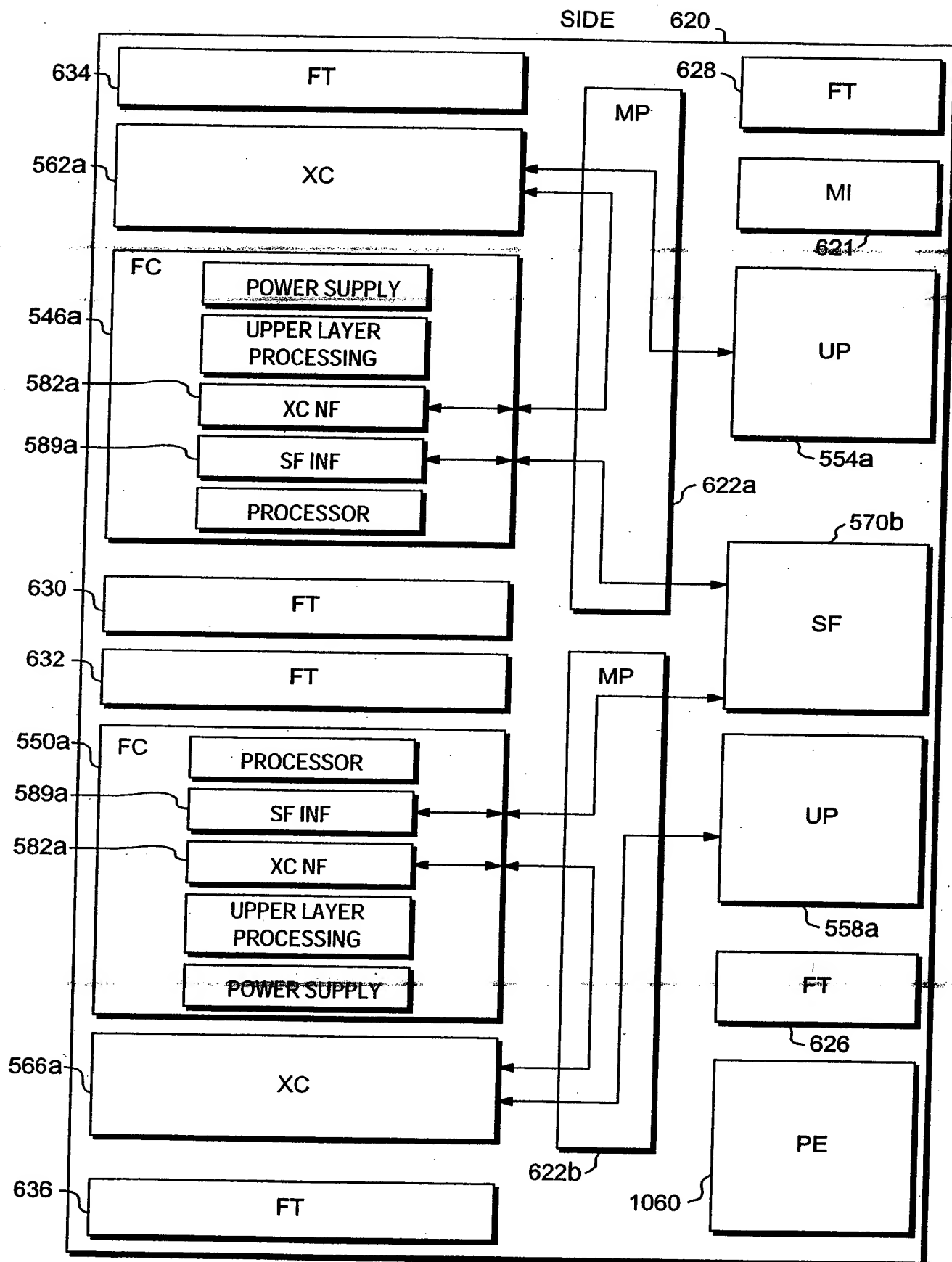


FIG. 41C

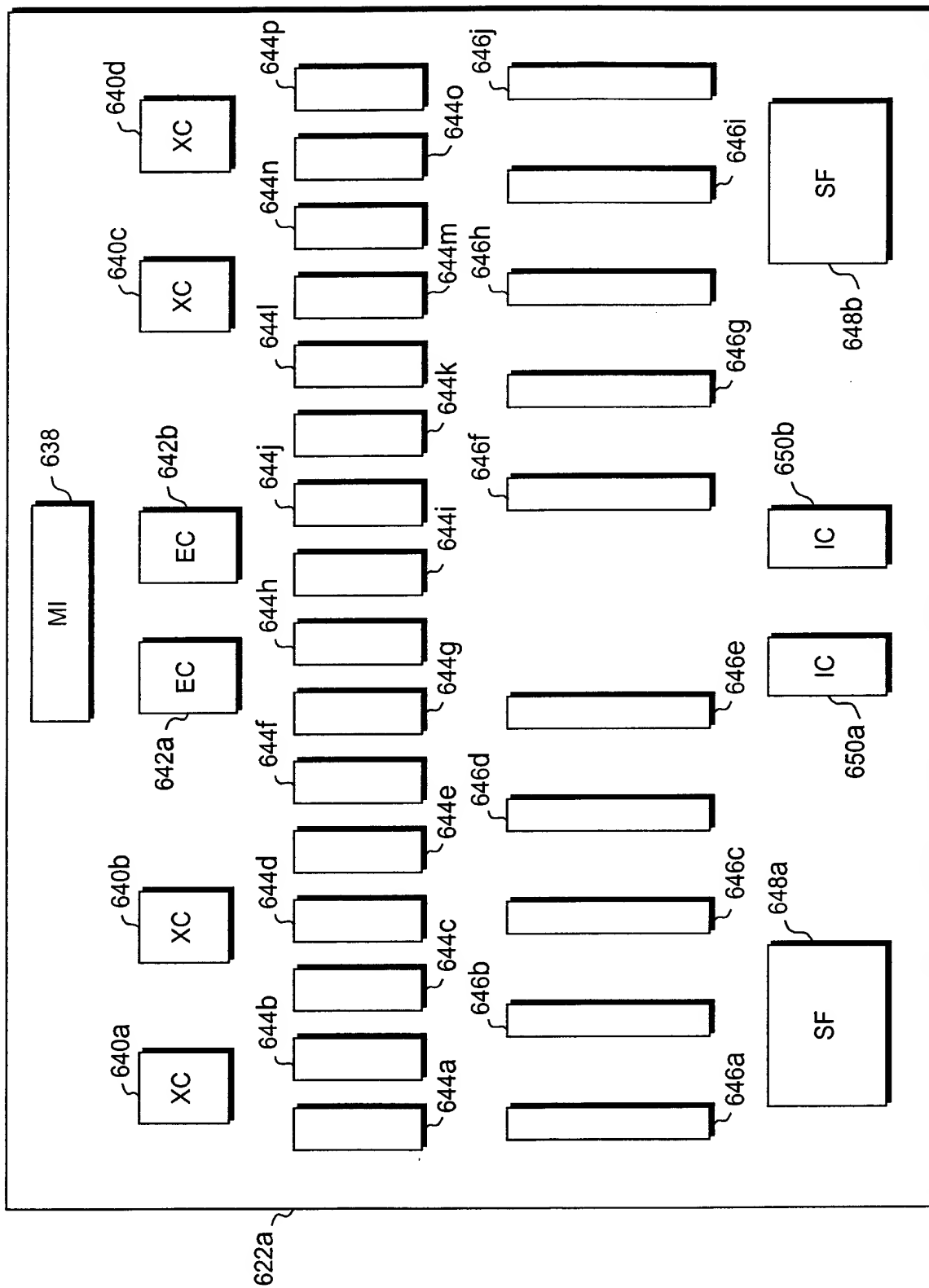


FIG. 42A

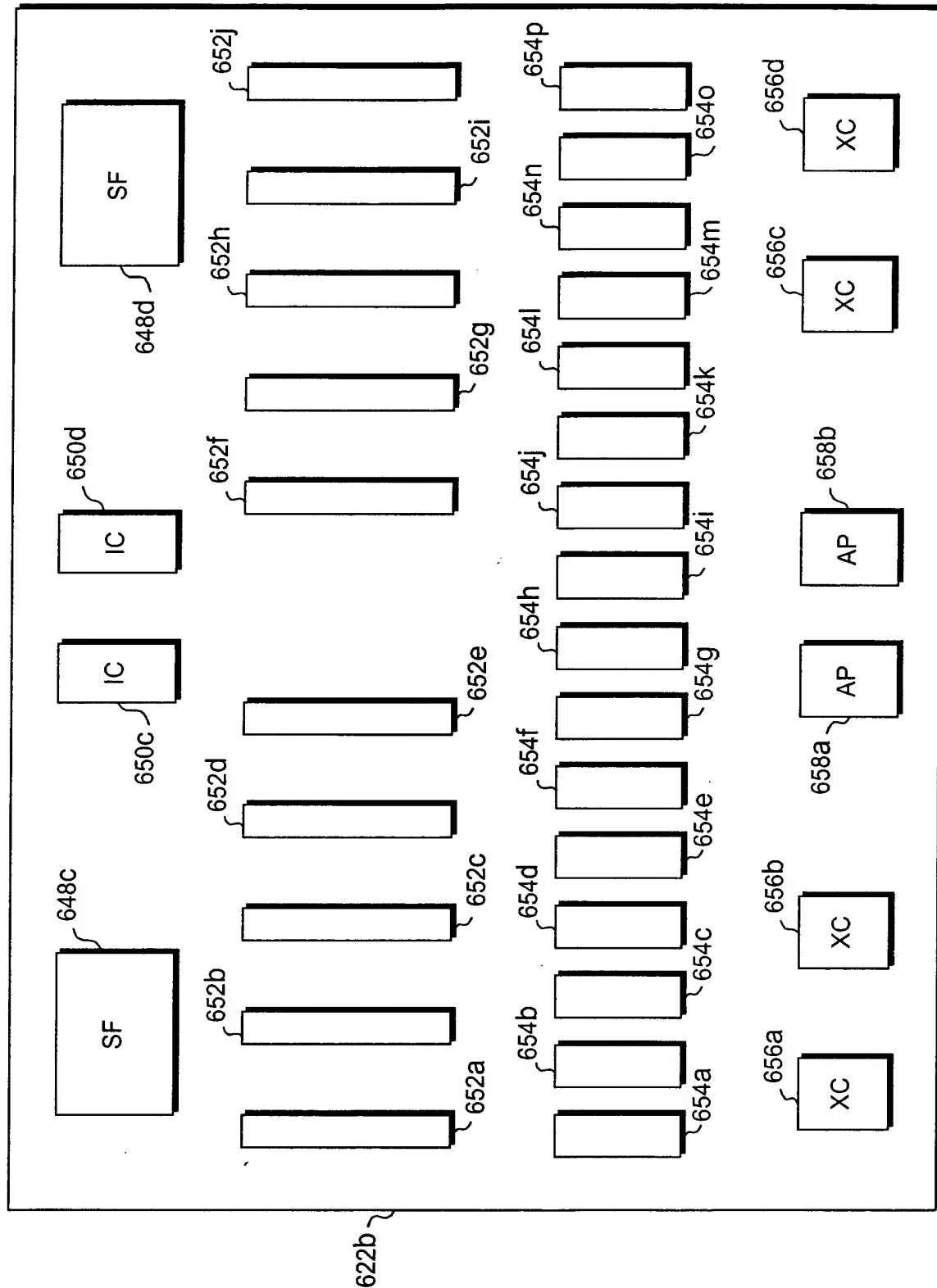


FIG. 42B

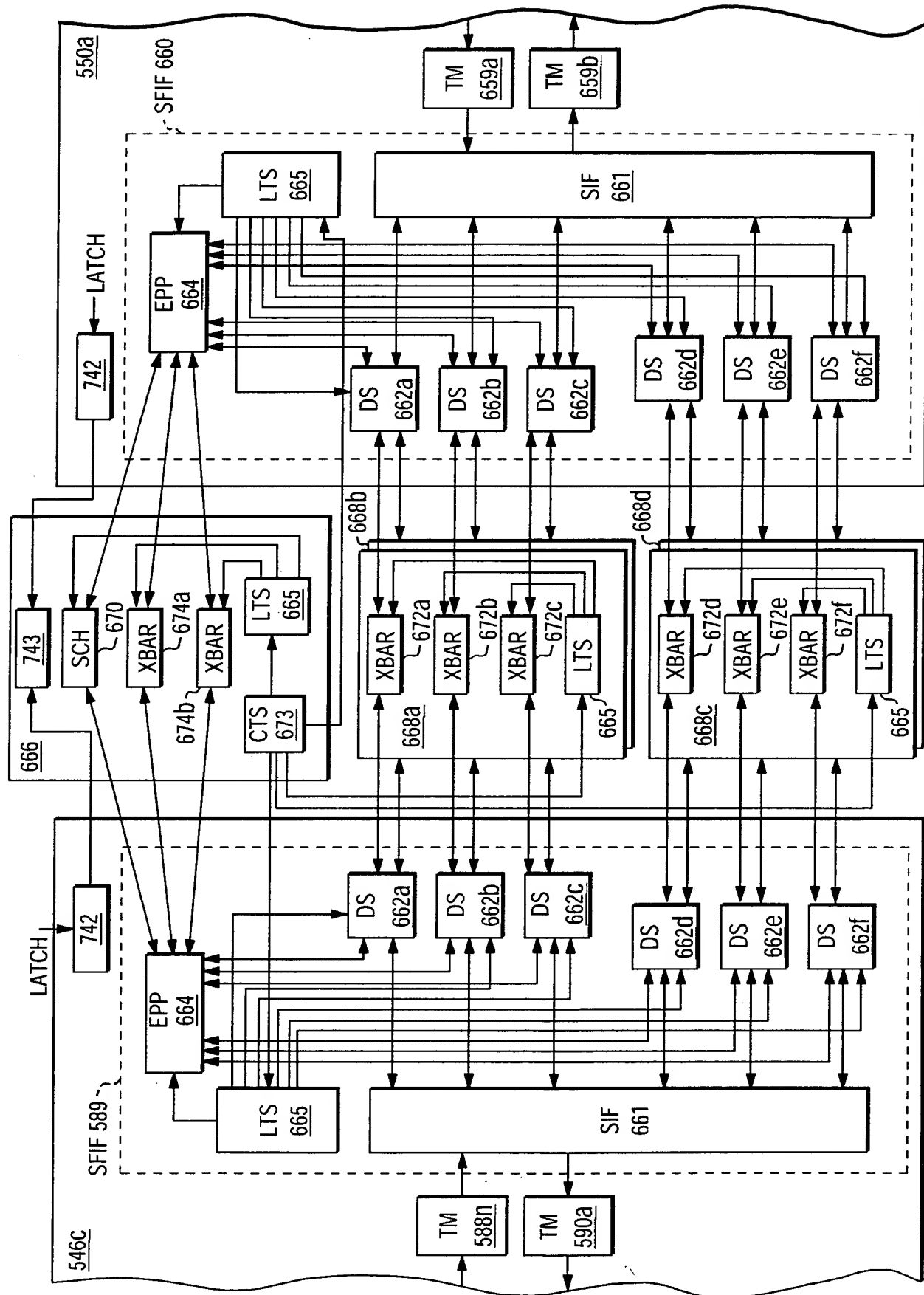


FIG. 43

640

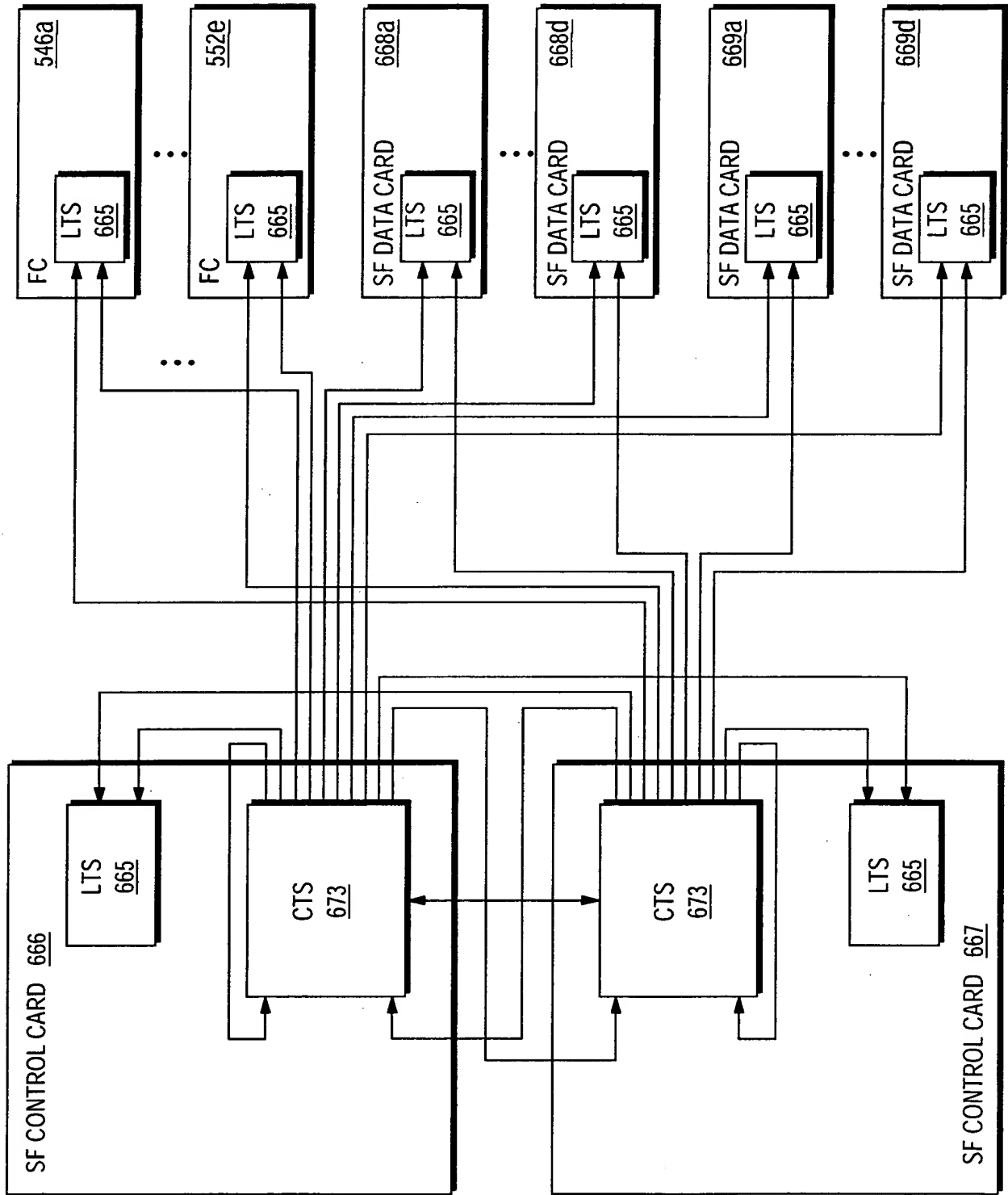


FIG. 44

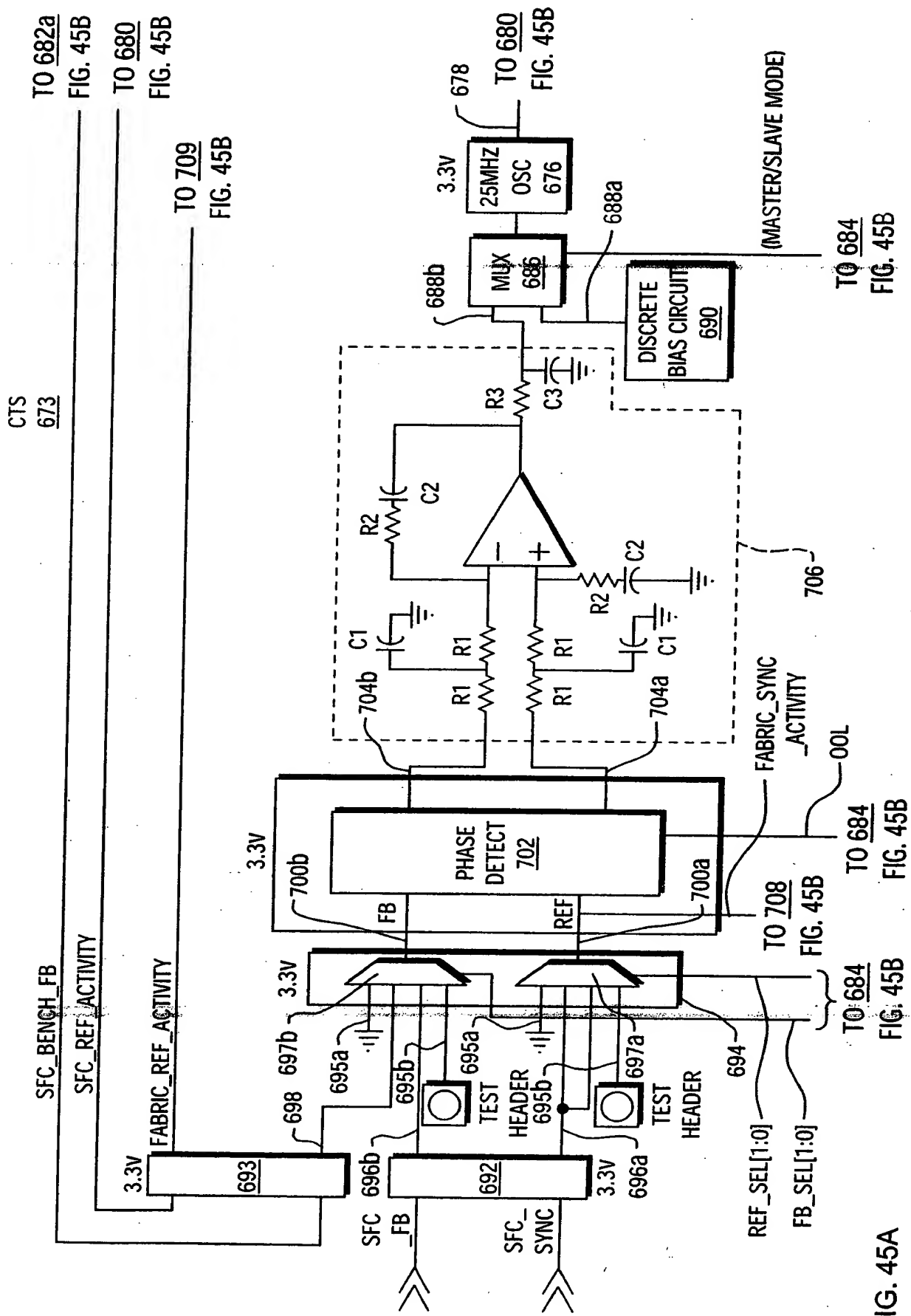
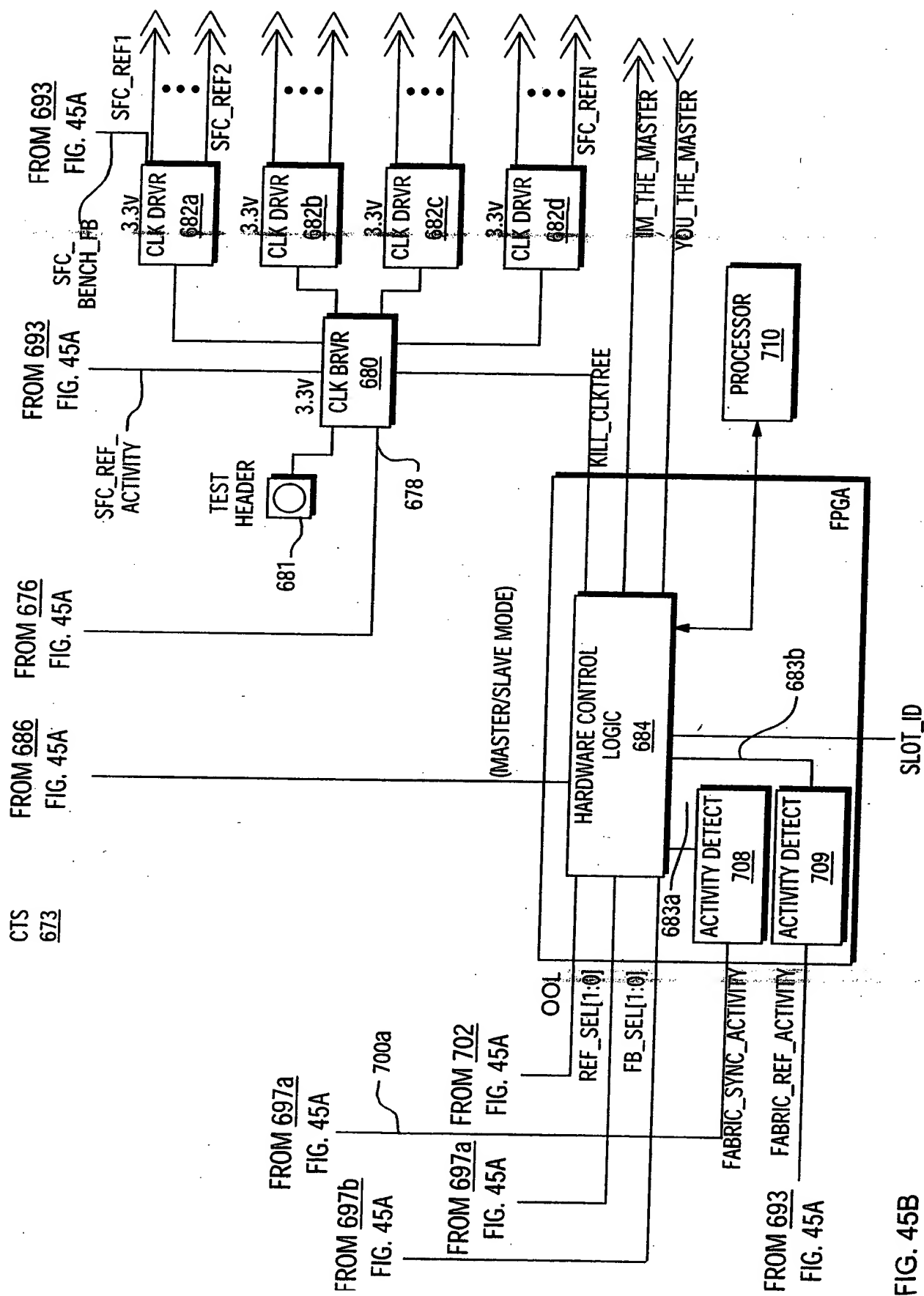


FIG. 45A



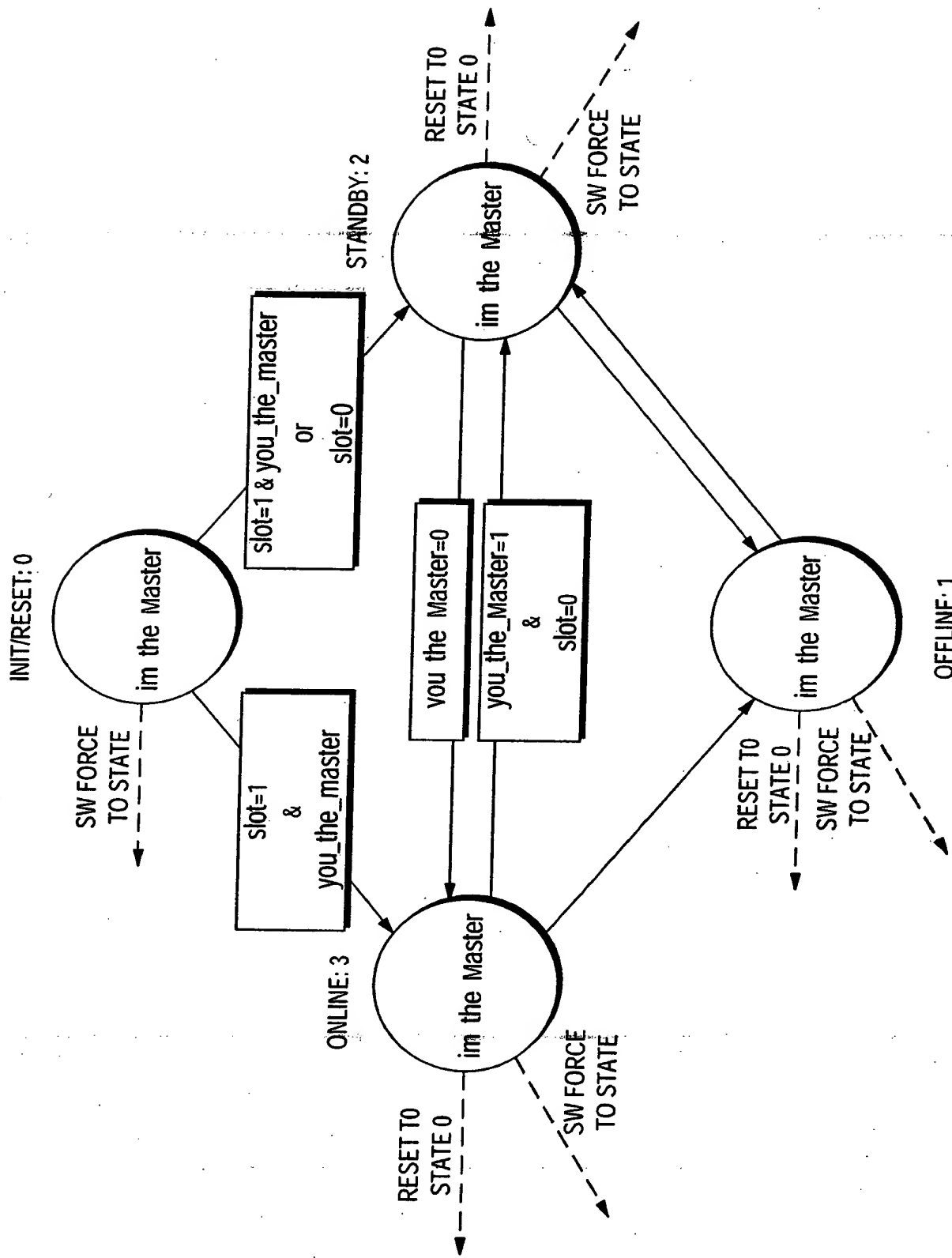


FIG. 46

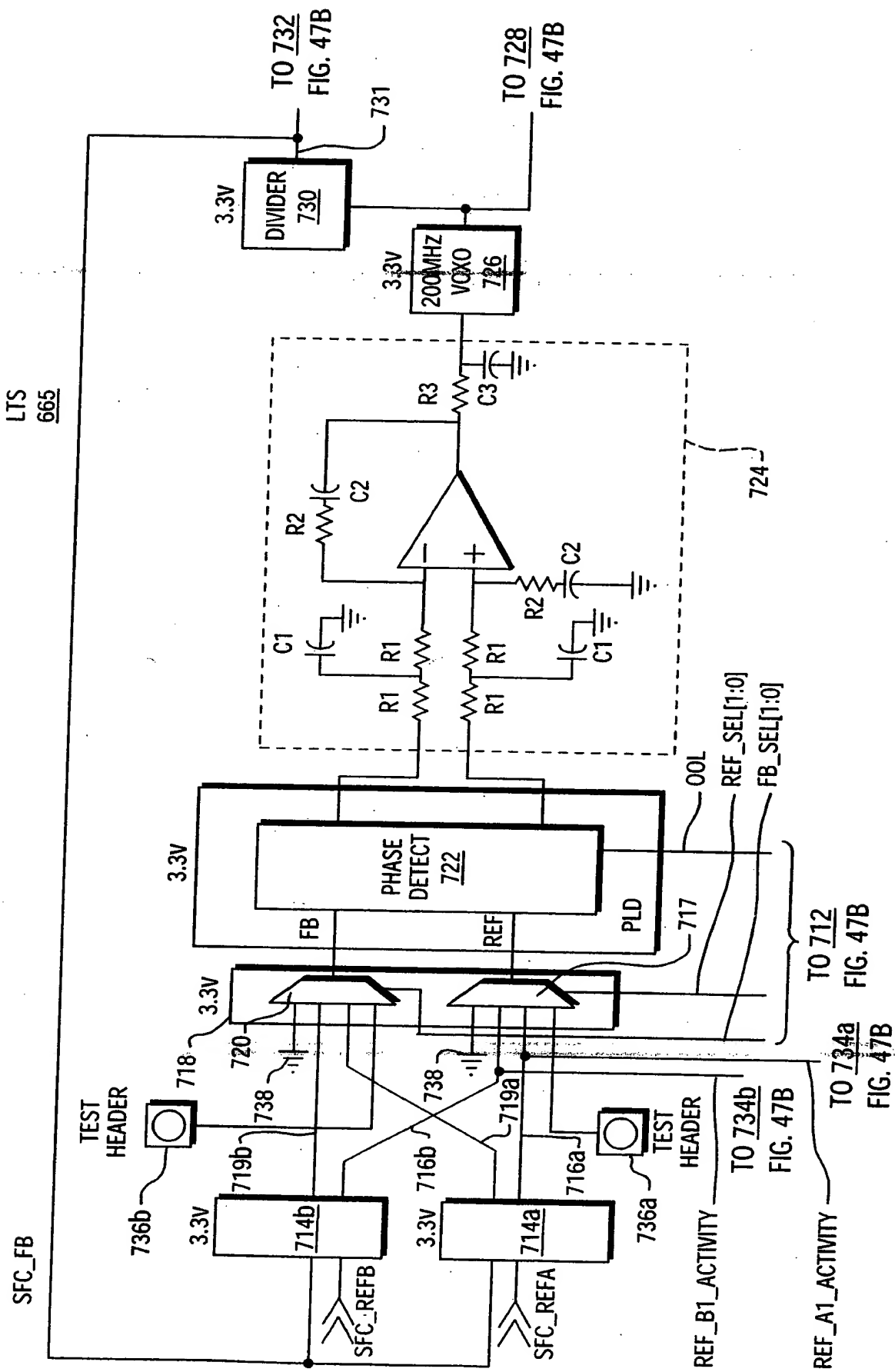


FIG. 47A

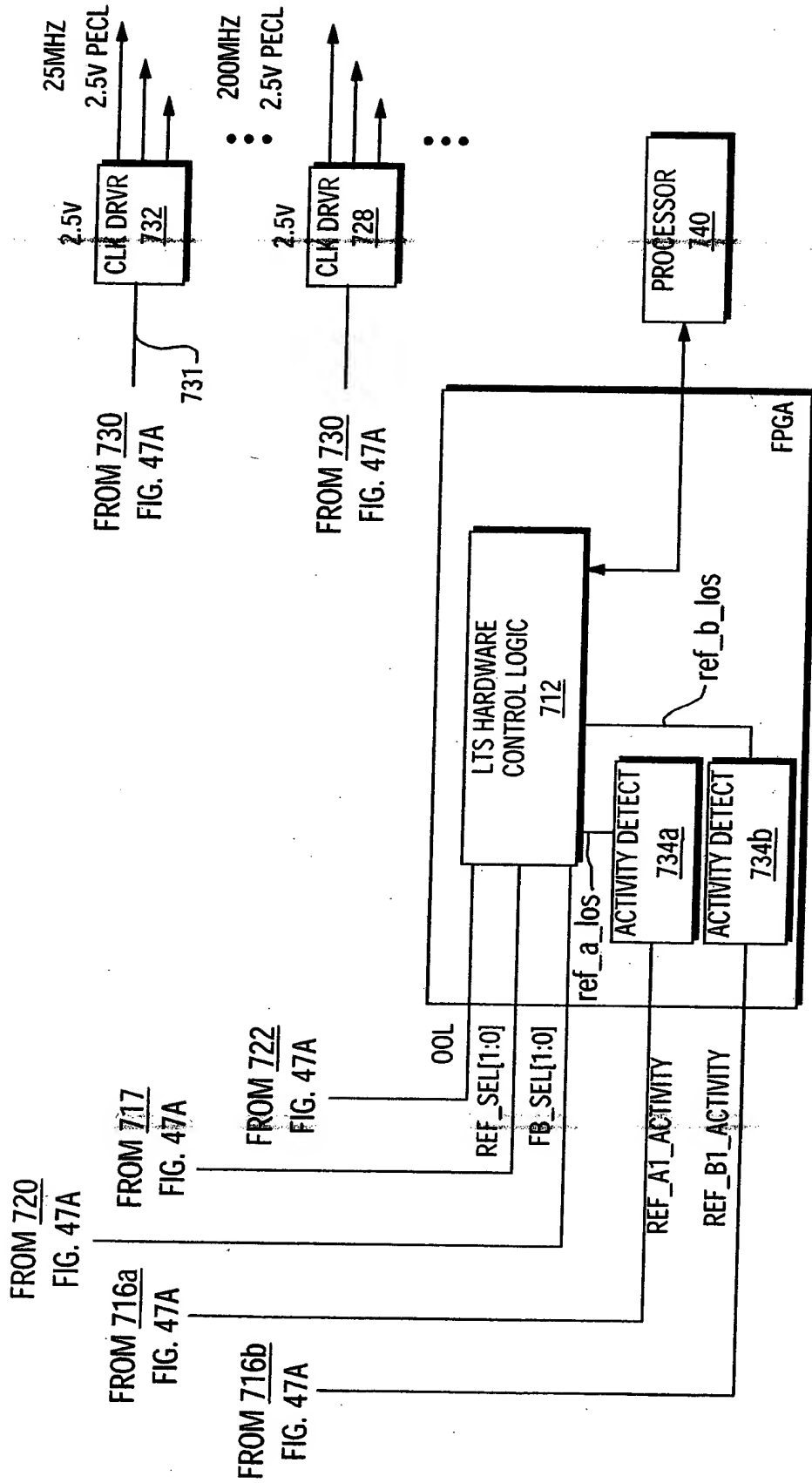


FIG. 47B

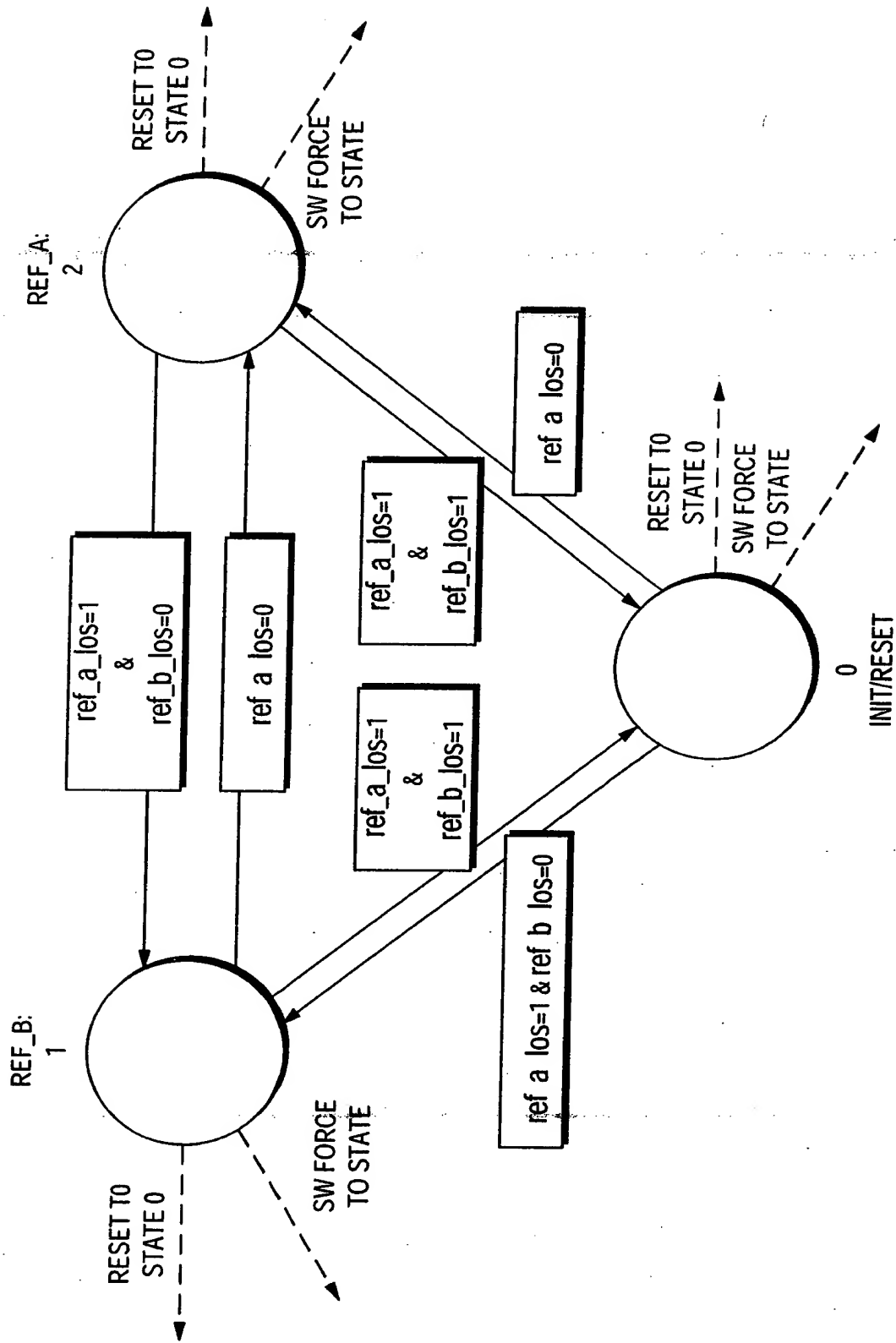


FIG. 48

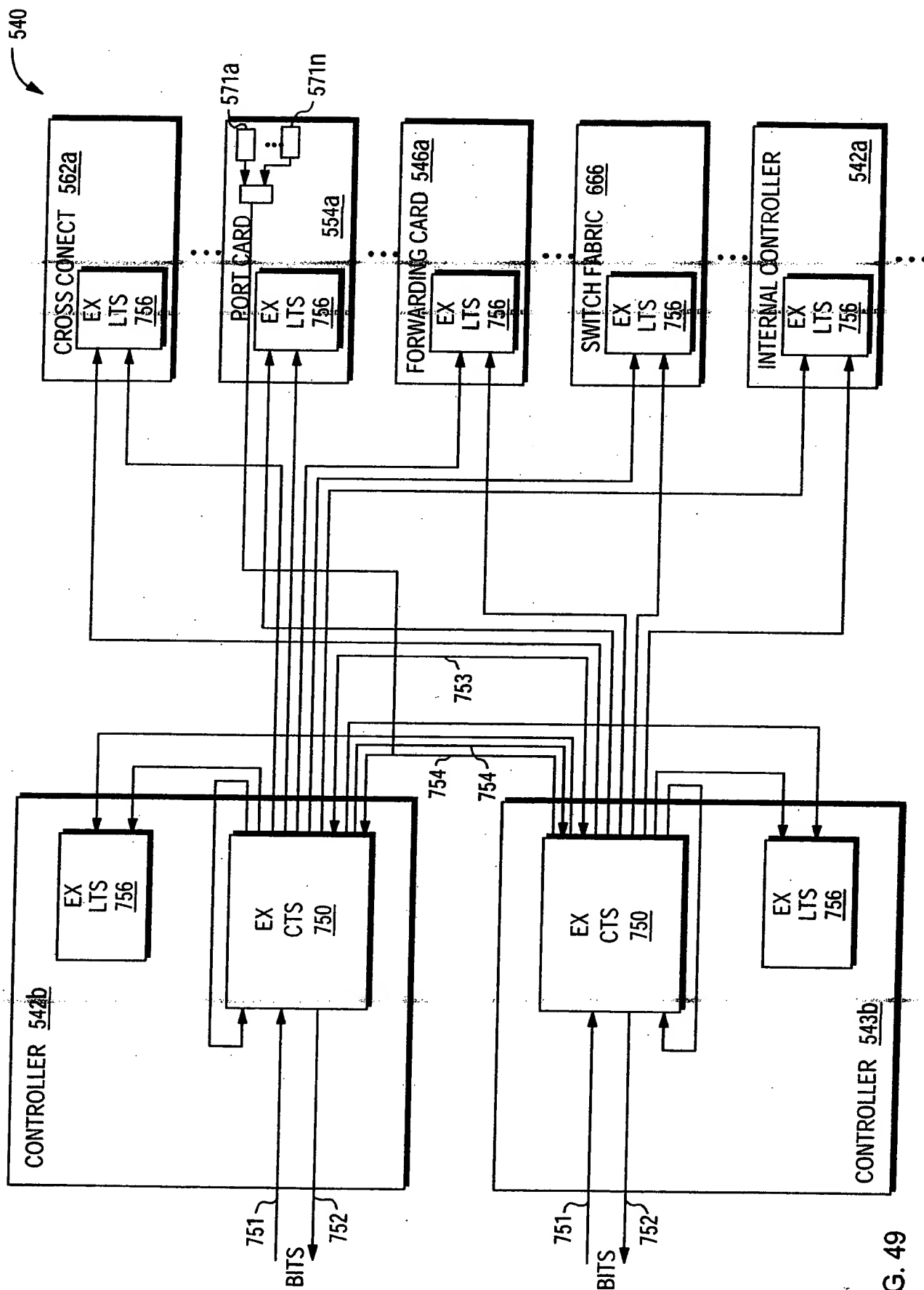
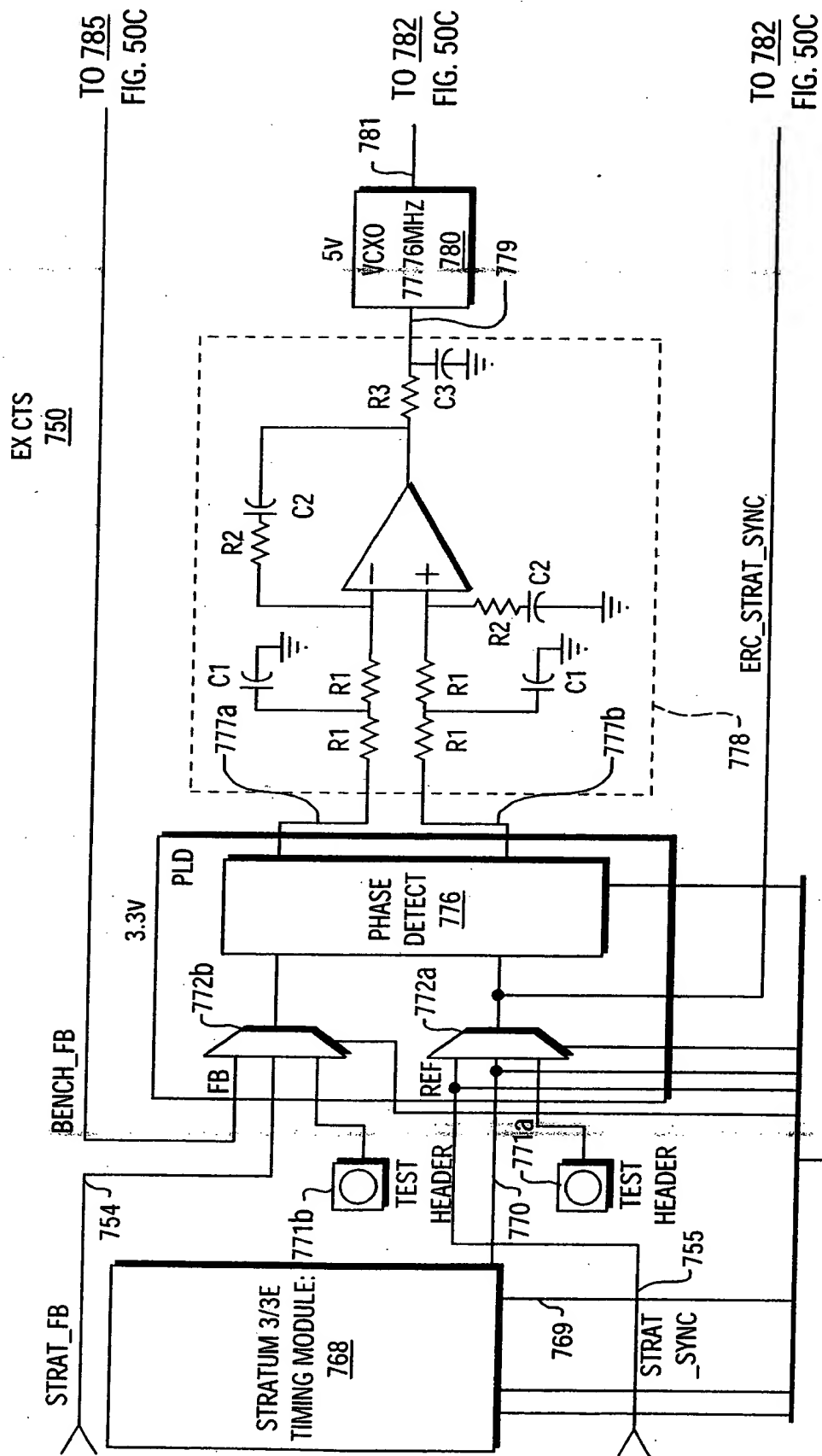


FIG. 49



TO
FIG. 50B

FIG. 50A

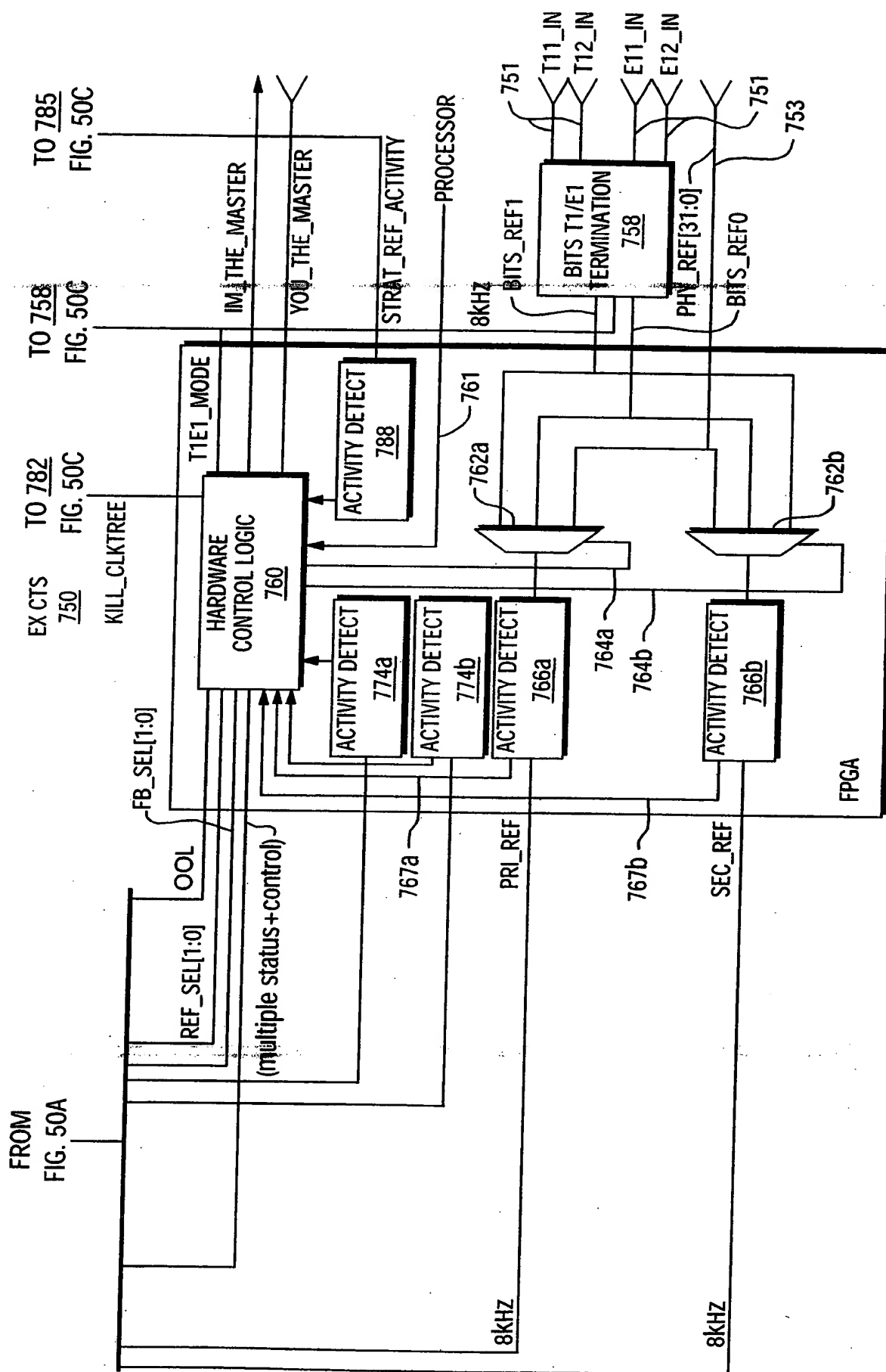


FIG. 50B

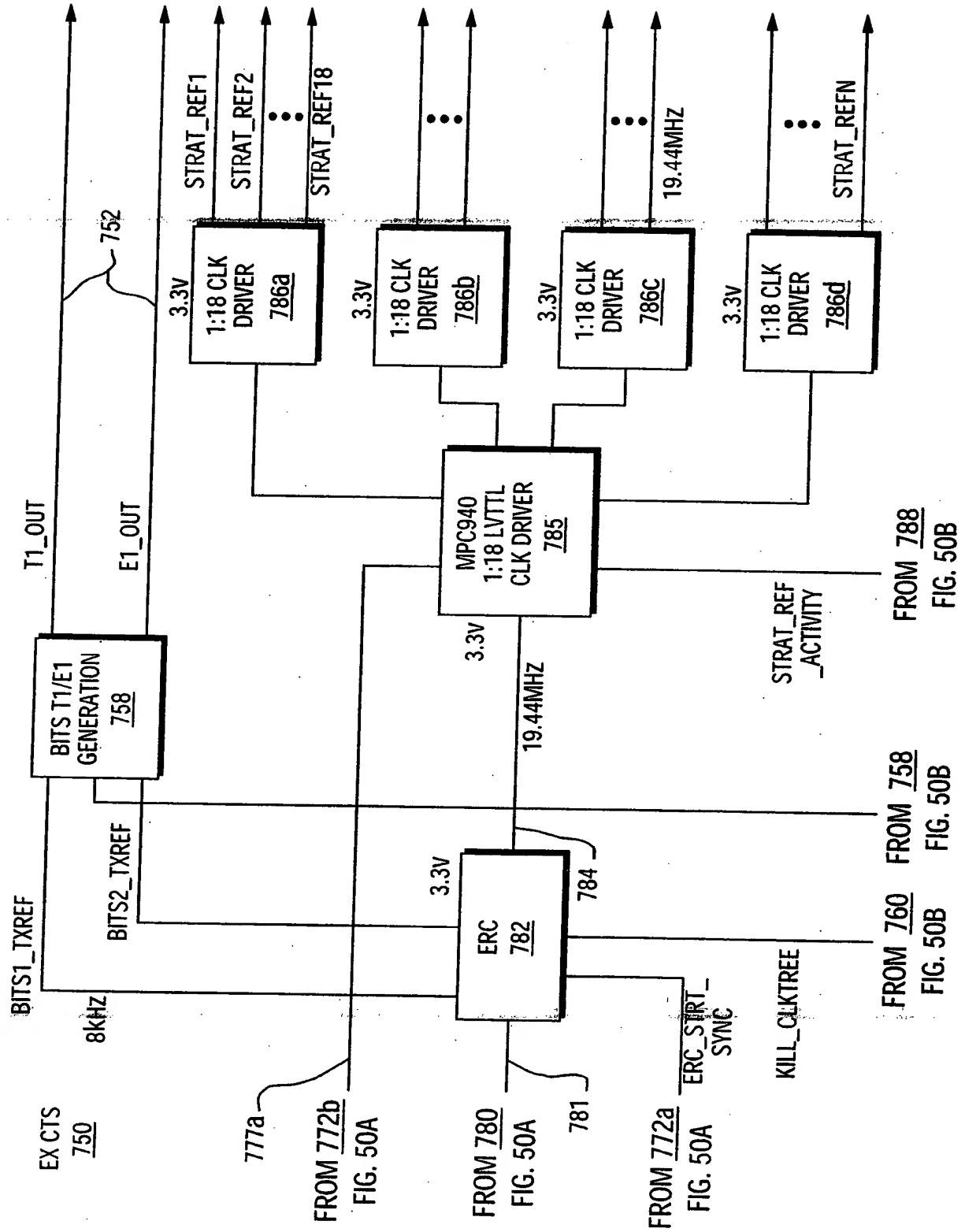


FIG. 50C

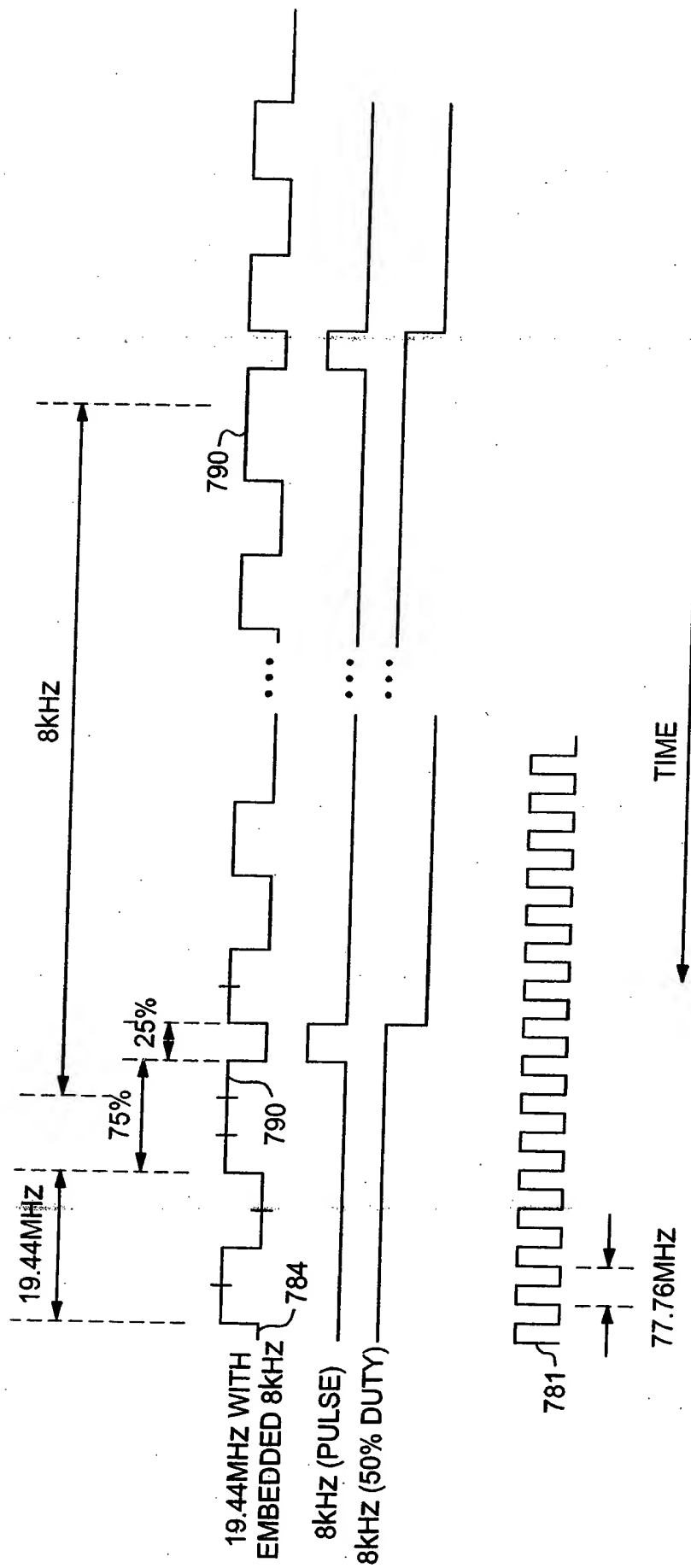


FIG. 51

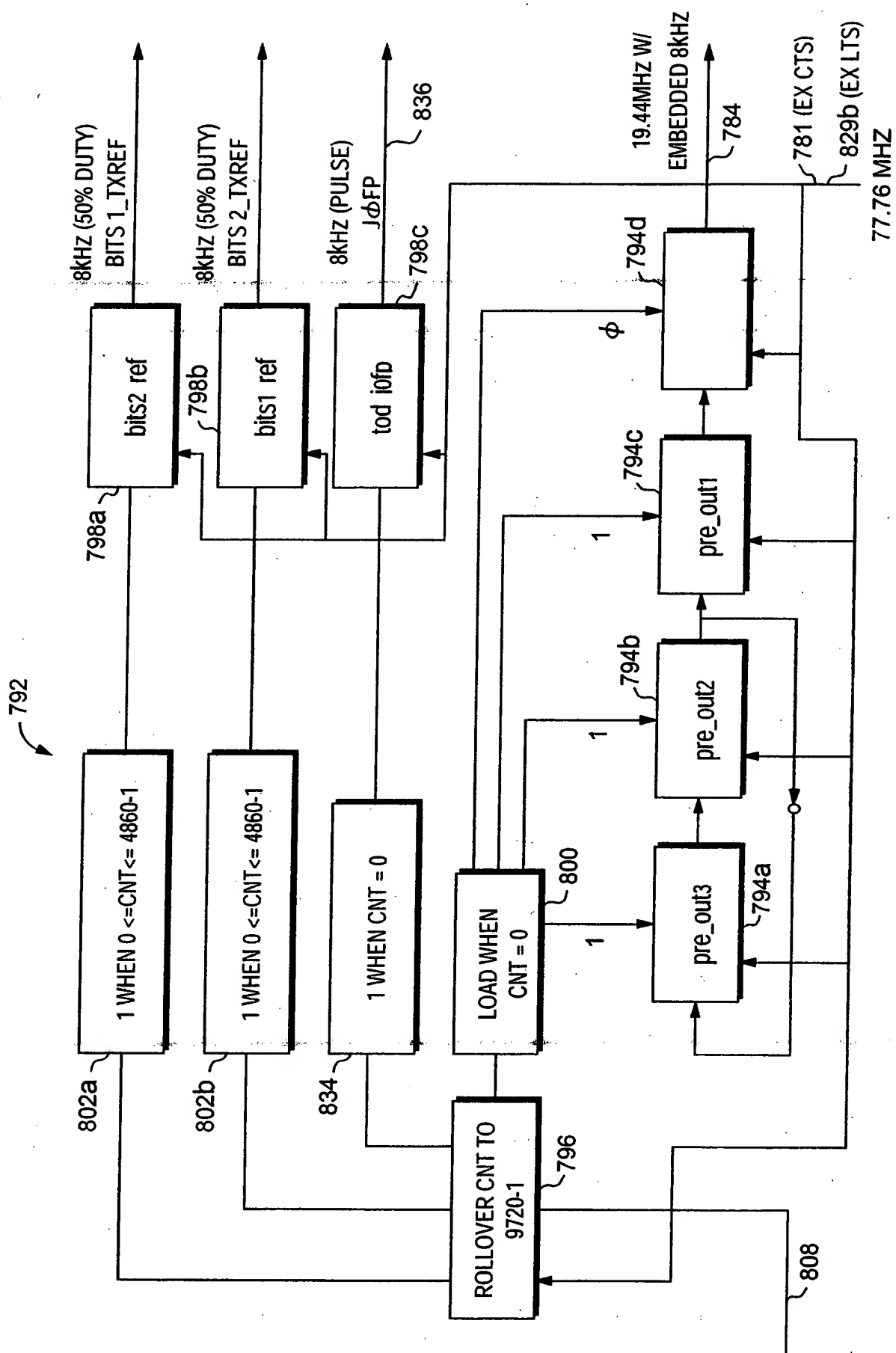


FIG. 52

EXTRACTOR
804

ERC_STRAT_SYNC (EX CTS)
 STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
 19.44MHz WITH ENCLOSED 8kHz
 (MUST BE PULLED LOW WHEN NOT PRESENT)

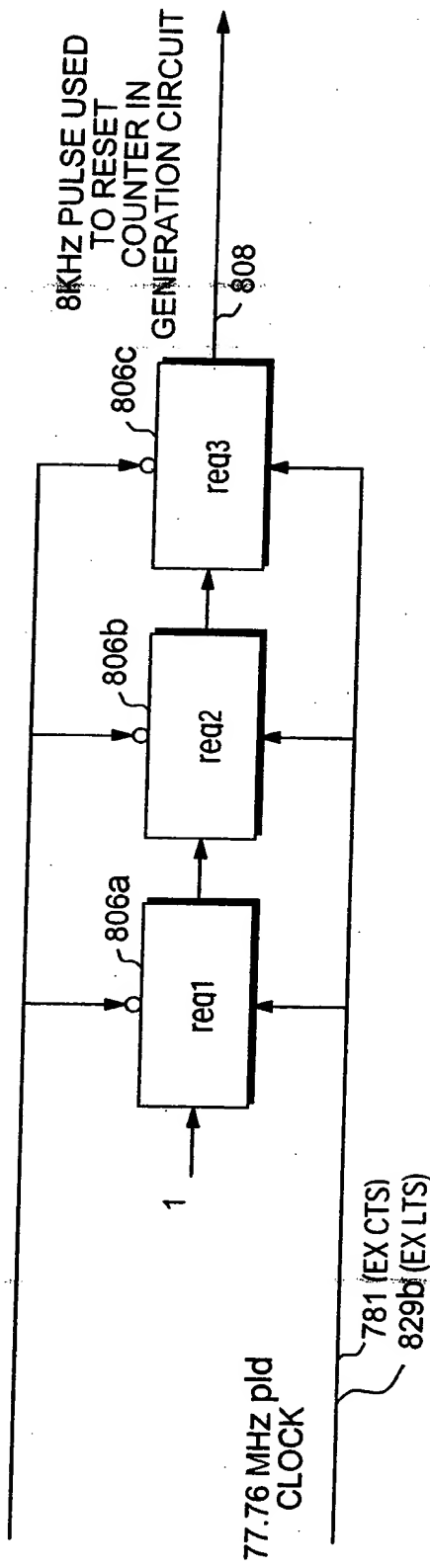


FIG. 53

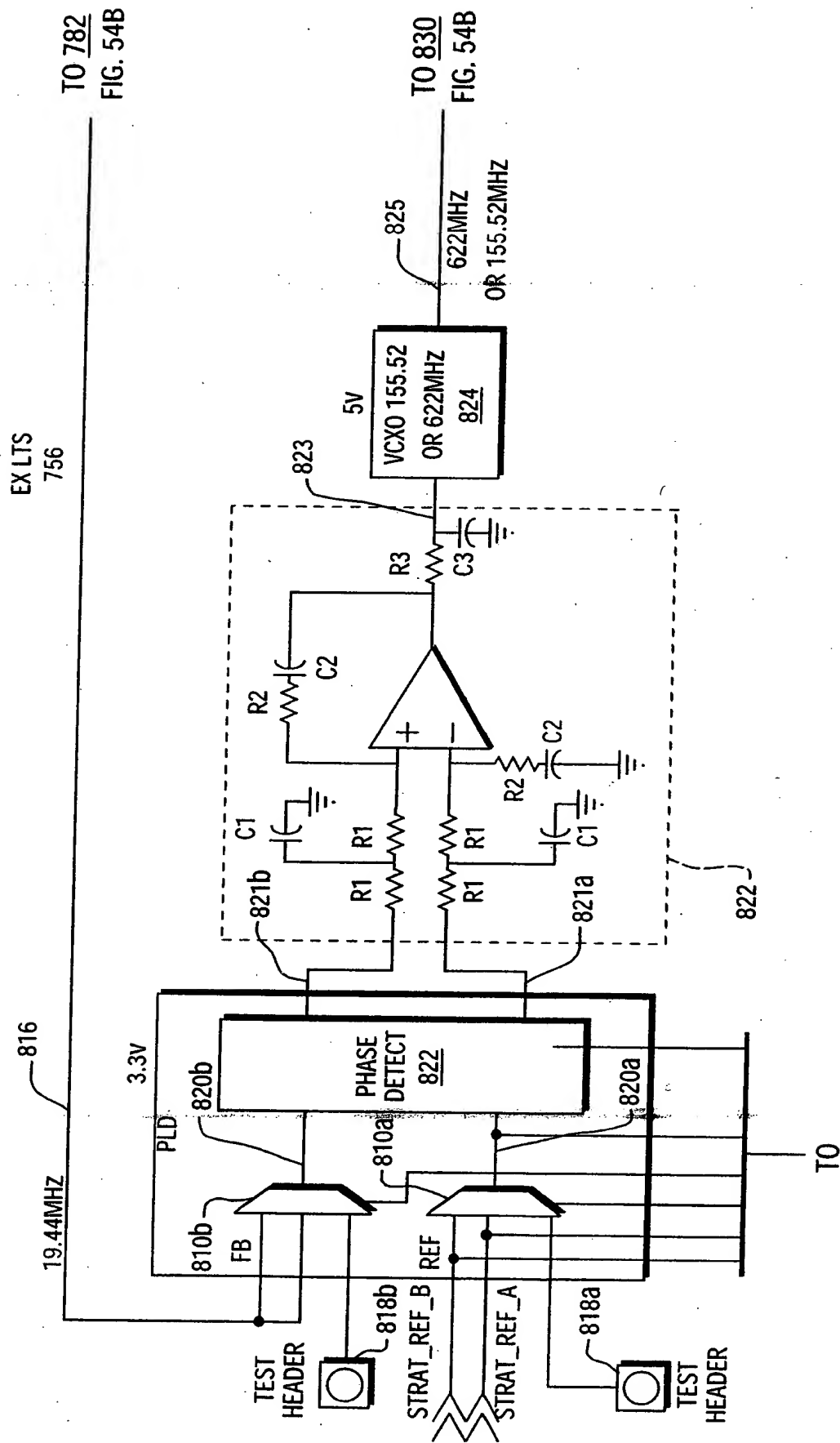
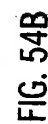


FIG. 54A



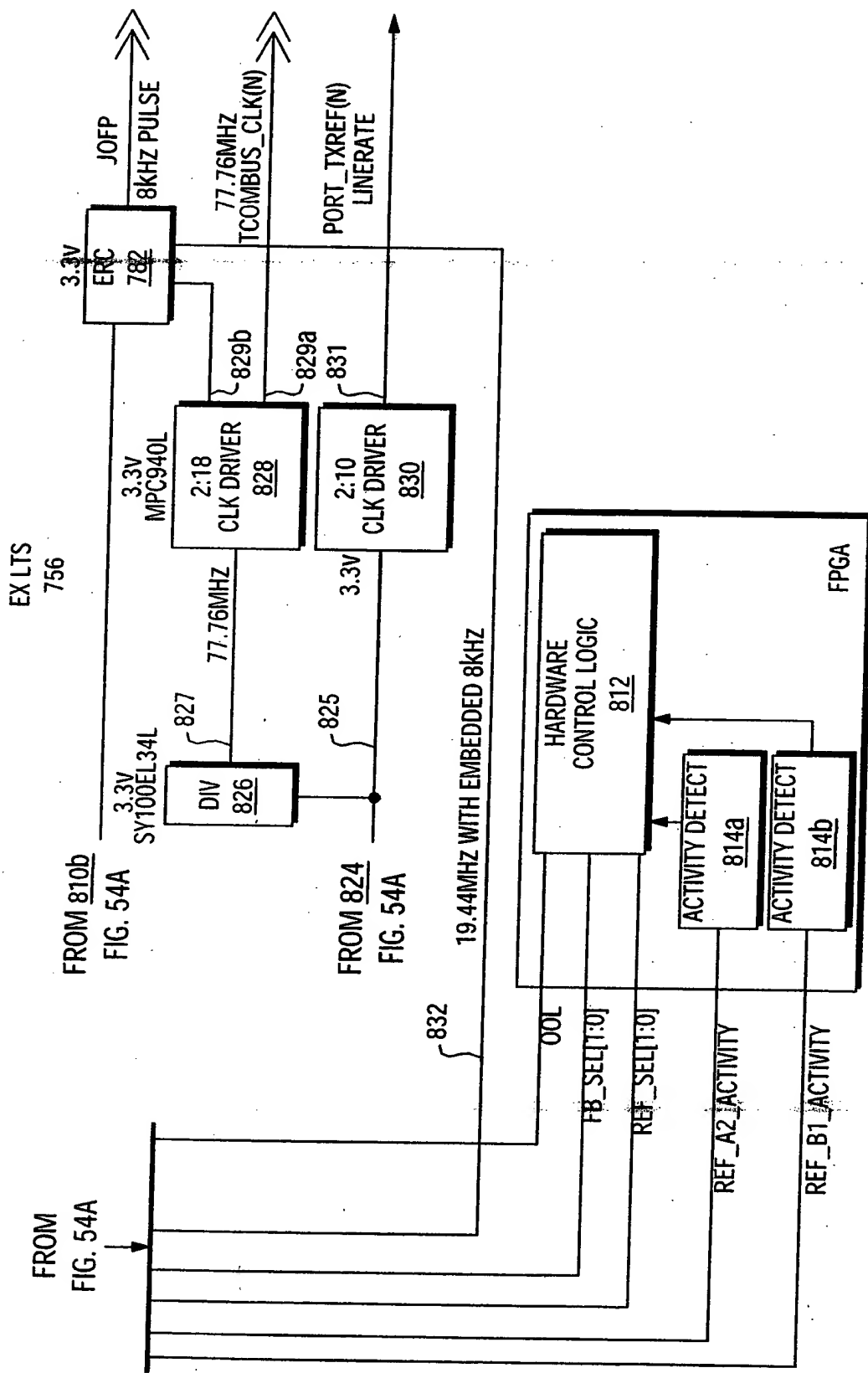


FIG. 54B

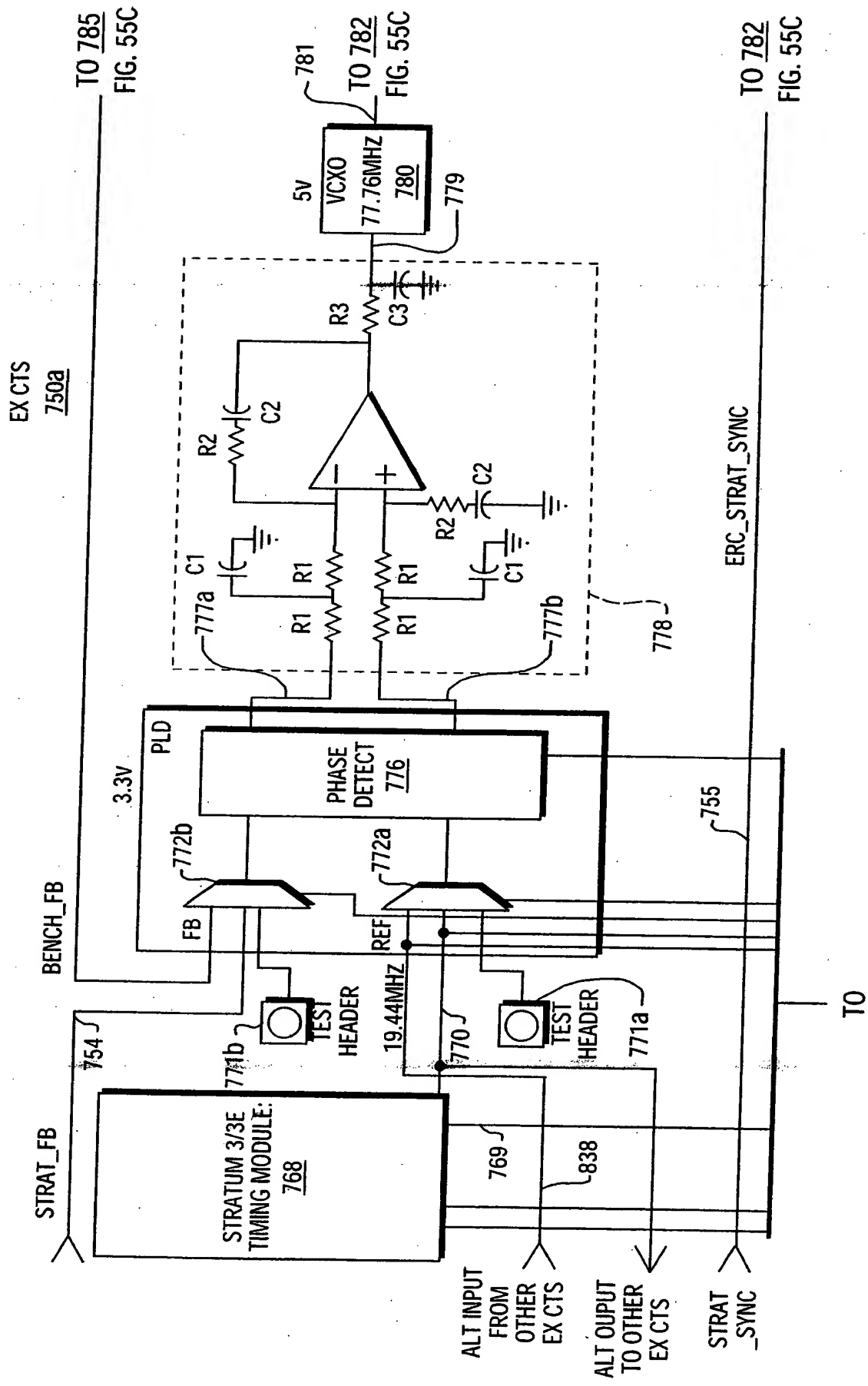
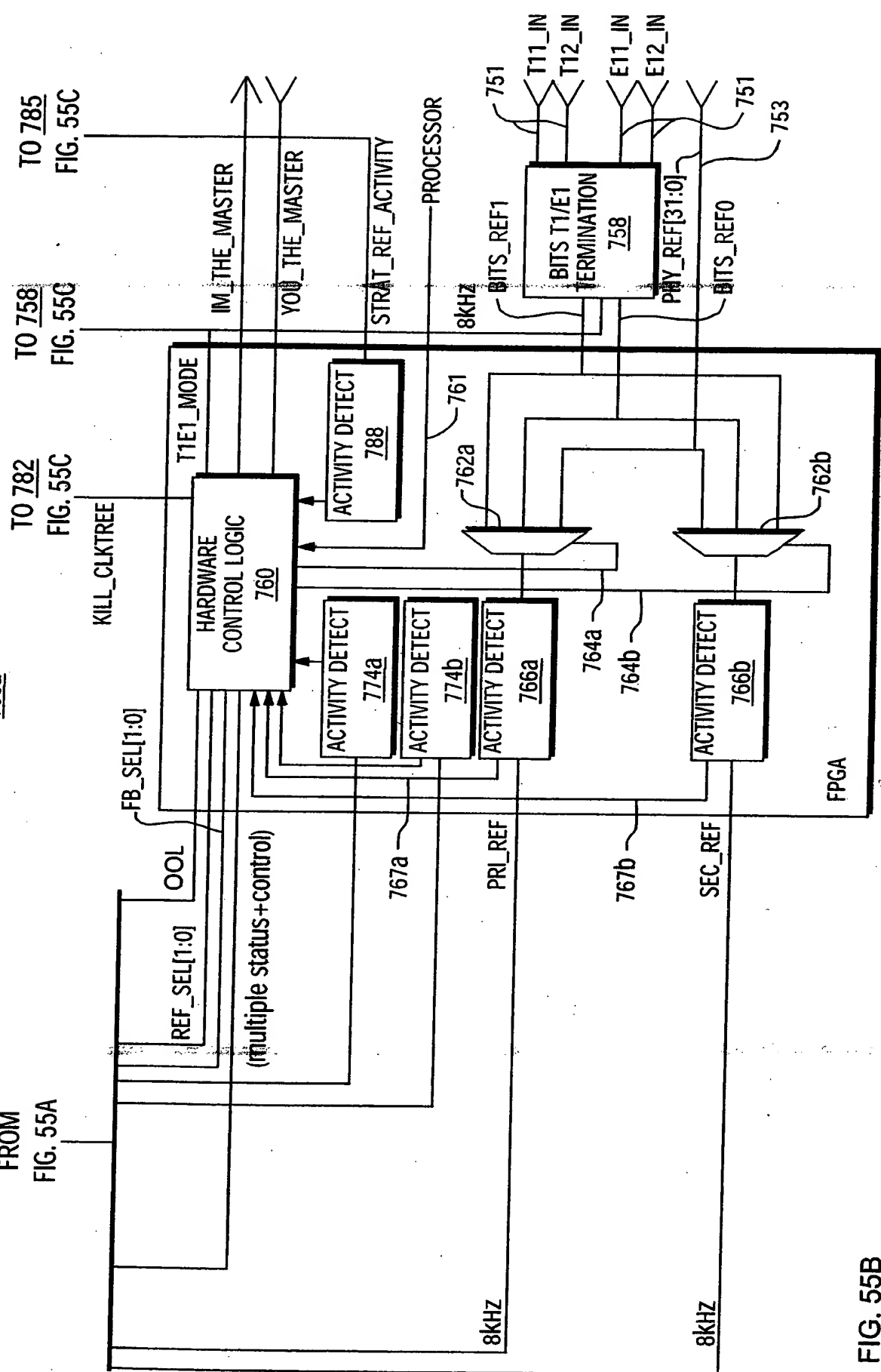


FIG. 55A

FIG. 55B

FROM
FIG. 55A



TO 782
FIG. 55C

T0 785
FIG. 55C

T0 758
FIG. 550

T0 782
FIG. 55C

1

FIG. 1

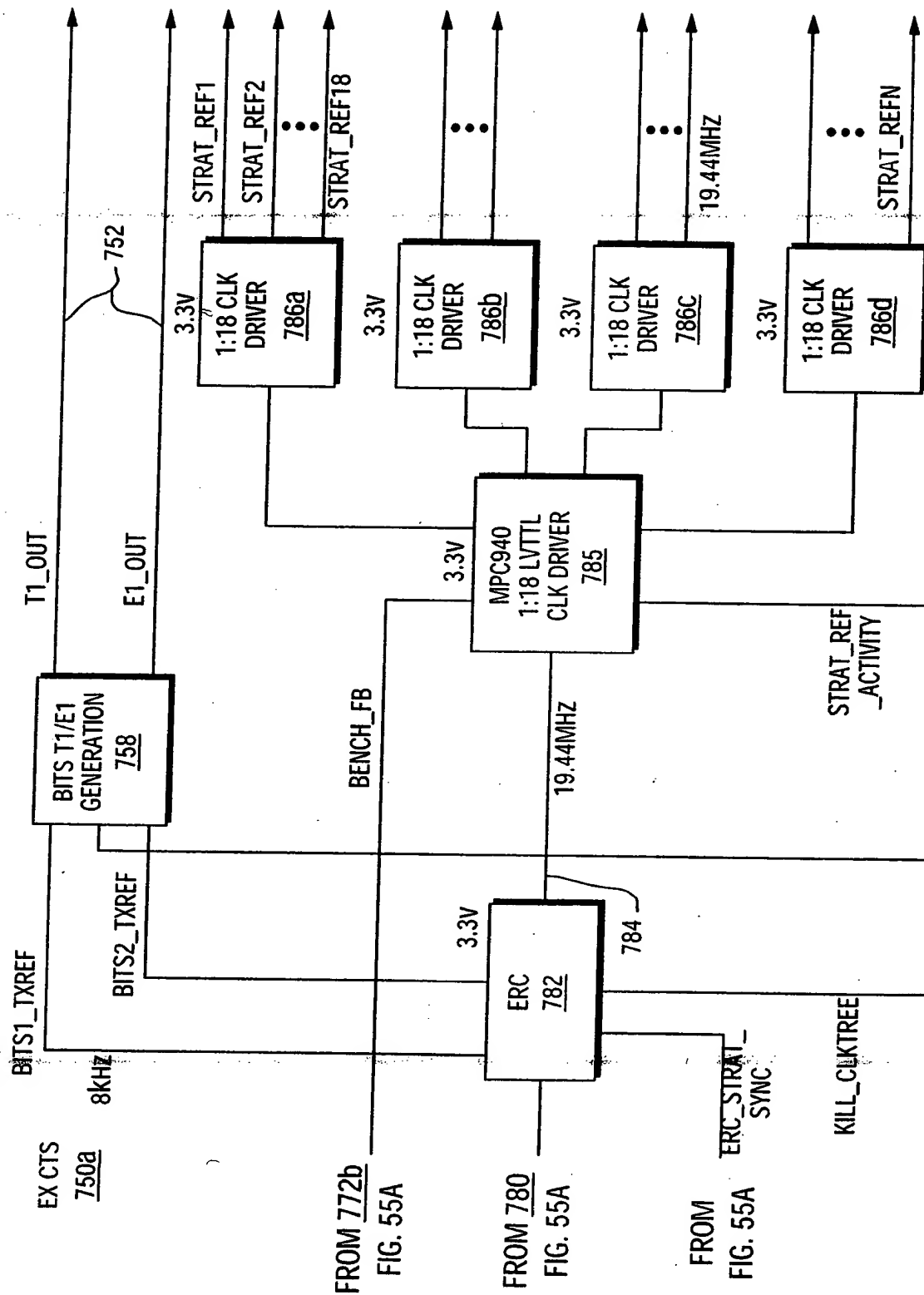


FIG. 55C

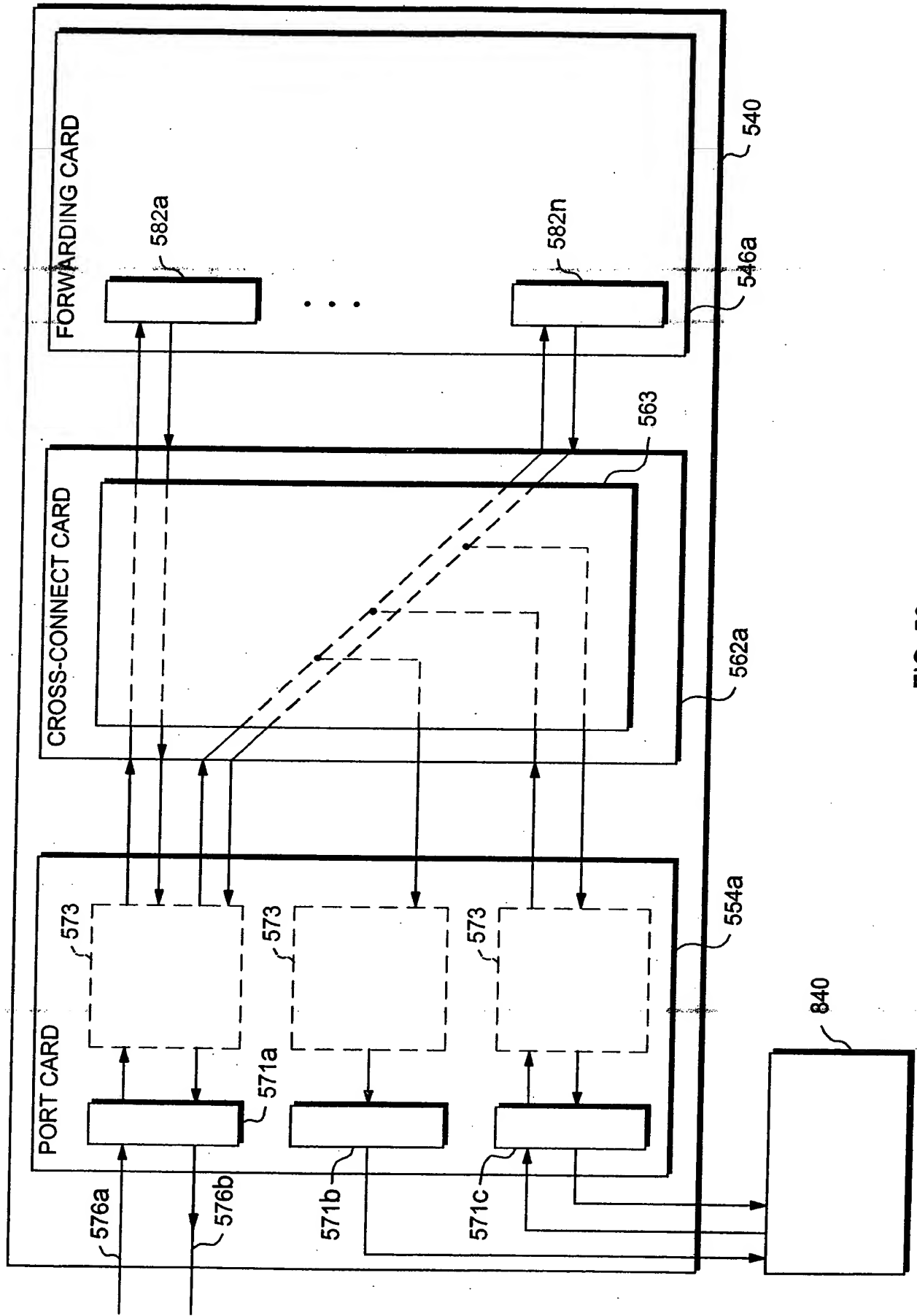


FIG. 56

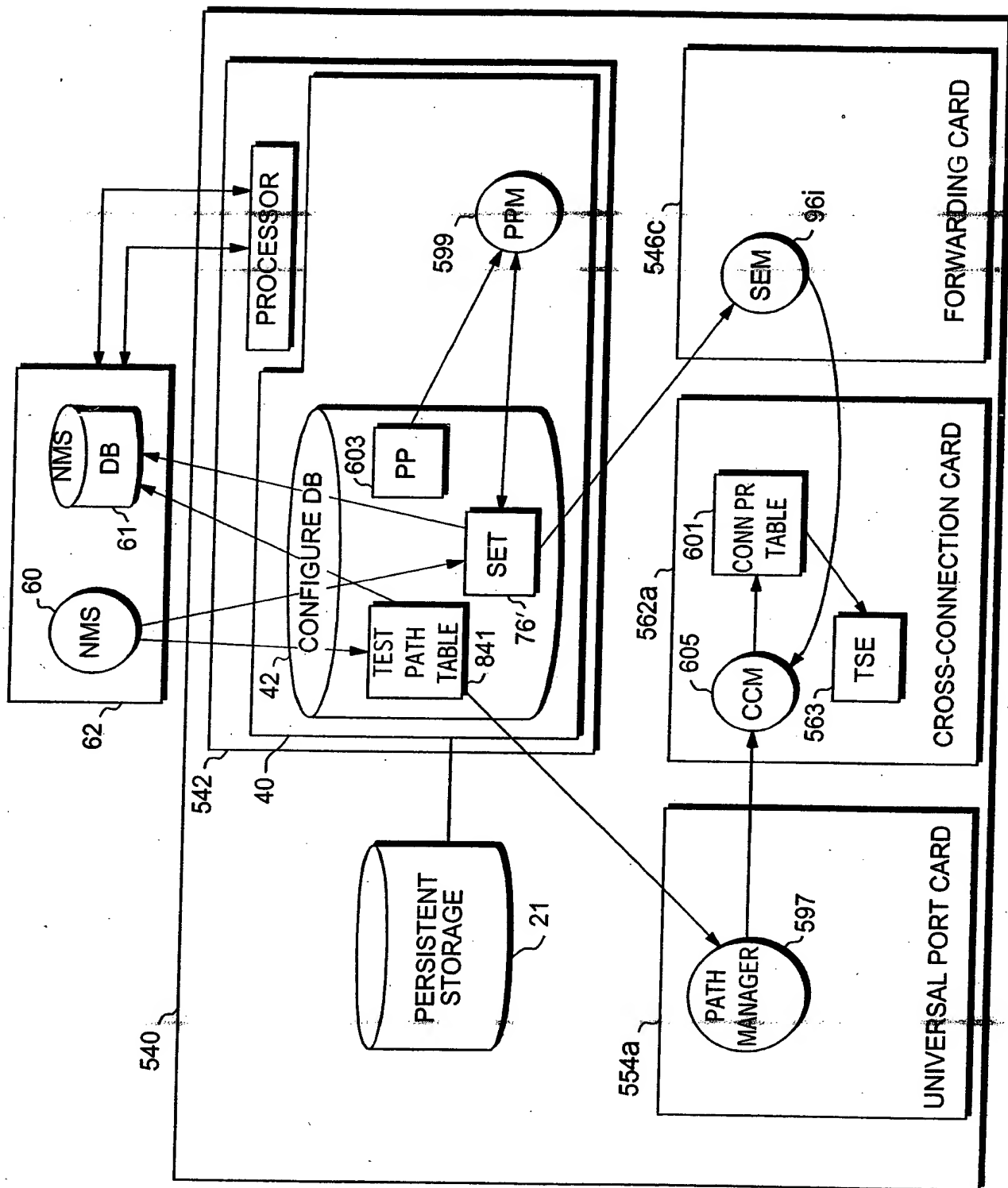


FIG. 57

TEST PATH TABLE 841

844				845		
PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER	...
842 1666	1232	4	3	INGRESS	NO	
843 1666	1233	4	3	EGRESS	NO	
844 1666	1233	4	3	INGRESS	YES	
.
.
.

FIG. 58

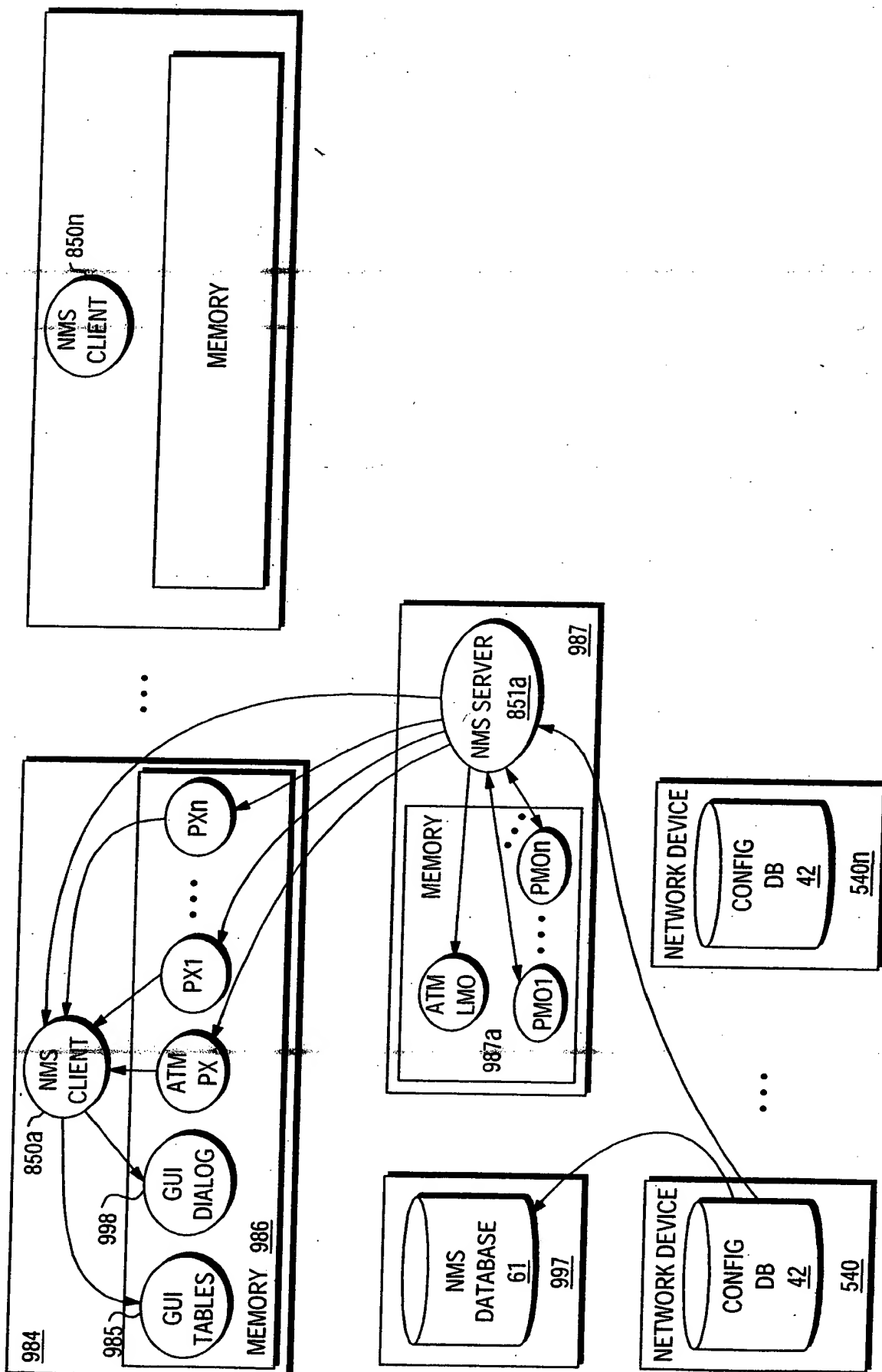


FIG. 59

MANAGED DEVICE TABLE 983

983b	PID	A1	...	An	
	1				983a

FIG 60A

CHASSIS TABLE 988

988b	PID	A1	...	An	MANAGED DEVICE PID	988c
	1				1	988a
	⋮	⋮	⋮	⋮	⋮	

FIG 60B

SHELF TABLE 989

989a	PID	A1	...	An	CHASSIS PID	989b
	3				2	
	4				2	
	⋮	⋮	⋮	⋮	⋮	
	18				2	

FIG 60C

SLOT TABLE 990

990a	PID	A1	...	An	SHELF PID	990b
990c	20				3	
	21				3	
	⋮	⋮	⋮	⋮	⋮	
990d	116				18	

FIG 60D

CARD TABLE 47'

PID	CWD TYPE	VERSION NO.	SLOT PID	...
120	0XF002	3	20	
121	0XF002	4	21	
⋮	⋮	⋮	⋮	⋮
124	0X6002	1	24	
⋮	⋮	⋮	⋮	⋮
131	0XF002	1	31	
⋮	⋮	⋮	⋮	⋮

FIG 60E

PORT TABLE 49'

PID	PORT TYPE	VERSION NO.	CARD PID	...
300	00620	1	20	
301	00620	1	20	
302	00620	1	20	
303	00620	1	20	
304	00820	1	20	
⋮	⋮	⋮	⋮	⋮
400	00620	1	39	
⋮	⋮	⋮	⋮	⋮

FIG 60F

SONET PATH TABLE 600'

600a	600b			
	PATH LID	PORT LID	TIME SLOT	# OF TIME SLOTS
	901	304	4	3
	⋮	⋮	⋮	⋮

FIG. 60G

SERVICE ENDPOINT TABLE 76''

76a	76c		76d		76e	76b	
	SE LID	Q #	FC PID	FC SLICE PID	FC TIME SLOT	PATH LID	...
	3000					901	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 60H

ATM IF TABLE 114''

114a	114b		
	ATM IF LID	ATM GROUP LID	SE LID
	5054		3000
	⋮	⋮	⋮

FIG. 60I

VIRTUAL ATM IF TABLE <u>993</u>				
LID	A1	...	An	ATM IF LID
7489				5054
⋮	⋮	⋮	⋮	⋮

FIG 60J

VIRTUAL CONNECTION TABLE <u>994</u>				
LID	A1	...	An	VIR. ATM IF LID
⋮	⋮	⋮	⋮	⋮

FIG 60K

VIRTUAL LINK TABLE <u>995</u>					
LID	A1	...	An	VIR. CONN. LID	CROSS. CONN. LID
⋮	⋮	⋮	⋮	⋮	⋮

FIG 60L

CROSS-CONNECT TABLE <u>996</u>					
LID	A1	...	An	VIR. LINK1 LID	VIR. LINK2 LID
⋮	⋮	⋮	⋮	⋮	⋮

FIG 60M

ATM NODE TABLE <u>999</u>				
LID	A1	...	An	MANAGED DEVICE PID
5000				1

FIG 60N

PHYSICAL MANAGED OBJECT 991

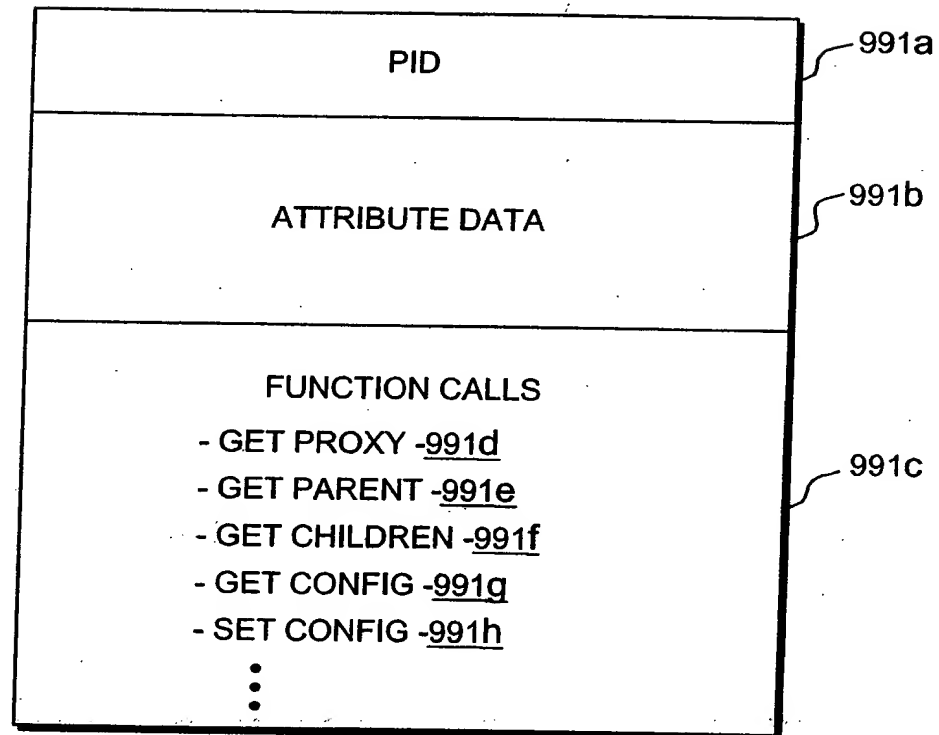


FIG. 61A

PROXY 992

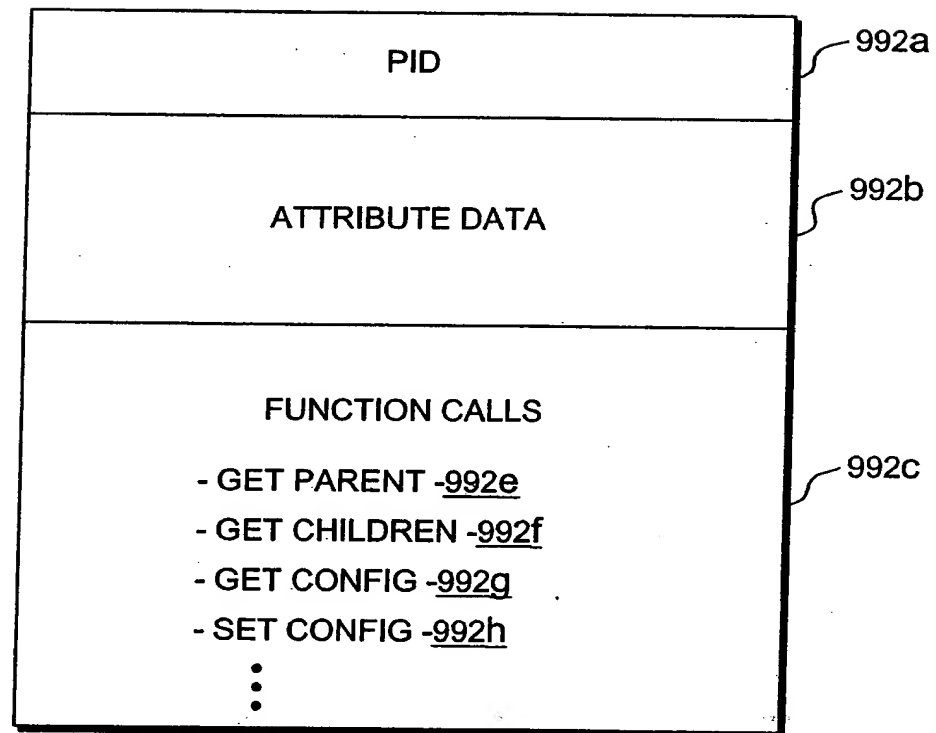


FIG. 61B

997

EvailNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1

System: 192.168.9.202

SONET Path Parameters

Path Name

Path Number

Path Width

Path Type

Connection Information

Connected SONET Path

☒ None

☐ Specific

Paths...

ATM Interface Name

Modules

OK

Cancel

998b

997a

FIG. 62